

ELECTRIC TOOLS & ACCESS.....4a-40

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## warranty

Millers Falls warrants to the original purchaser for (1) one year from date of purchase, to correct by repair or parts replacement at no charge, any defect which upon our examination proves to have been caused by faulty materials or workmanship. This warranty does not cover abuse, normal wear or careless handling and is void if the tool has been repaired or serviced by personnel not authorized by Millers Falls. Simply return the tool (properly packed with all transportation charges prepaid) to the nearest Millers Falls Distribution Center or Authorized Service Station. No other warranty, however expressed or implied, on our products is authorized by us.

## distribution centers

#### MANCHESTER, CONN.

Millers Falls Company 1 Progress Drive Manchester, Conn. 06040 Telephone (203) 647-9121

#### ATLANTA, GA.

IR Southeast Tool Group DC 2960A Olympic Industrial Blvd. Smyrna, Georgia 30080 Telephone (404) 355-5871

#### BROADVIEW, ILL.

Millers Falls Company 2427 Crescent Drive Broadview, Illinois 60153 Telephone (312) 344-7371

#### DALLAS, TEXAS

IR Tool Group Southwest DC 3940 Black Gold Drive Dallas, Texas 75247 Telephone (214) 631-3180

#### LOS ANGELES, CALIF.

Millers Falls Company 5812 E. Washington Blvd. Los Angeles, Calif. 90040 Telephone (213) 685-5330

# THE TOOL GROUP

When you do roughly a billion dollars worth of business a year; are the largest combined producer of air, electric, hand and cutting tools in the world; have a national distribution system with centers in California, Connecticut, Ohio, Texas and points in between; warehouse \$10,000,000 worth of finished goods; and run a network of service centers that really give service: when you do just about everything connected with tools and have done it for over a hundred years: WHAT DO YOU DO NOW?

THE TOOL GROUP is What we've done now!

The Tool Group is a new sales and marketing organization featuring Millers Falls, Union, Proto, Challenger, and Fleet brand names. The Tool Group combines the strength, experience and product lines of these well-known brands to offer portable electric tools, metal cutting, hand, precision and air tools. The Tool Group brings you trusted quality in tools through a professional consolidated selling organization.

In short, to you our single source capability means prompt action, more efficient buying, simplified ordering, easier inventory control and economical shipments.

You'll be seeing and hearing more about the men with the answers from THE TOOL GROUP.





DRILL WOOD, METAL, PLASTIC, COMPOSITIONS . . . SAND, POLISH, CUT HOLES, MIX ... AND MORE!









The basic power tool with a variety of uses — polishing, sanding, mixing and cutting holes.

#### SPECIAL PERFORMANCE FEATURES:

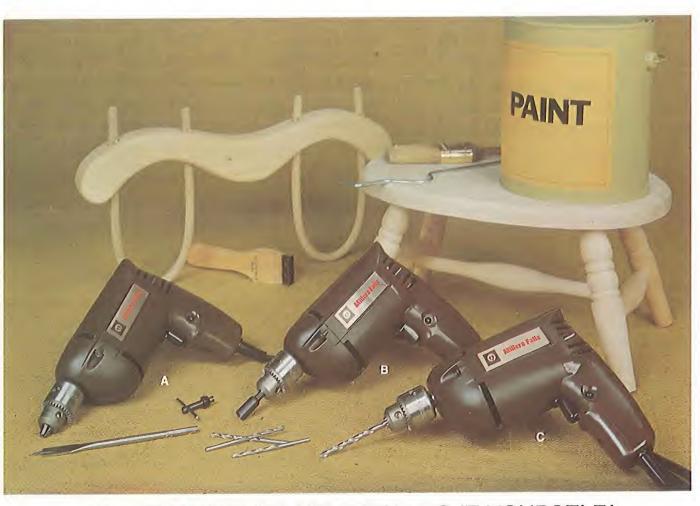
- Quick-Release Trigger Lock Button Ideal for continuous jobs such as drilling, sanding, wire brushing and polishing.
- Multi-Ball Thrust and Oll-Impregnated Sleeve Bearings ensure dependable, trouble-free high performance.
- Double Insulation provides maximum protection against electrical shock without grounding.

(A) SP-5014 Double Insulated 1/4" Deluxe Drill Specifications: Capacities: Steel ¼", Hardwood ½", 2250 RPM, ,2.5 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved.

(B) SP-5013 Double Insulated ¼" Home Workshop Drill Specifications: Capacities: Steel ¼", Hardwood ½", 2250 RPM, 2.3 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved.

For Drill Accessories see pages 13, 14 and 15.

# IEW '5000' SERIES



### BETTER WAYS TO HELP YOU DO-IT-YOURSELF!









Variable drill speeds meet specific requirements. High speeds for drilling wood, buffing and polishing; lower speeds for drilling metal and driving screws.

#### SPECIAL PERFORMANCE FEATURES:

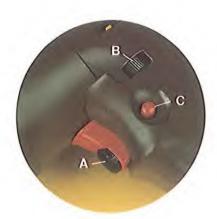
- Quick-Release Trigger Lock Button ideal for continuous jobs such as drilling, sanding, wire brushing and polishing.
- Multi-Ball Thrust and Oil-Impregnated Sleeve Bearings ensure dependable, trouble-free high performance.
- **Double Insulation** provides maximum protection against electrical shock without grounding.
- Variable Speed Trigger Switch select the speed to match the job from 0 to 1,000 RPM. Drive screws, cut threads, start holes without center-punching (SP-5021 only).
- (A) SP-5021 Double Insulated %" Variable Speed Deluxe Drill Specifications: Capacities: Steel %", Hardwood %", 0 to 1,000 RPM, 2.5 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved.
- (B) SP-5020 Double Insulated 3/4" Deluxe Drill Specifications: Capacities: Steel %", Hardwood %4", 1,000 RPM, 2.5 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved.
- (C) SP-5023 Double Insulated %" Home Workshop Drill Specifications: Capacities: Steel 36", Hardwood 34", 1,000 RPM, 2.3 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved.

For Drill Accessories see pages 13, 14 and 15.

# OOO'SERIES



#### TEAM UP WITH THE VARIABLE-SPEED-REVERSING PRO!



- A. Speed Control Knob to preset the exact drilling speed for each job.
- B. Reverse Switch for removing screws, nuts and drill bits.
- C. Lock Button makes continuous operations easier.

#### SPECIAL PERFORMANCE FEATURES:

- · Quick-Release Trigger Lock Button ideal for continuous jobs such as drilling, sanding, wire brushing and polishing.
- Double Reduction Gearing for smooth performance.
- Multi-Ball Thrust and Oil-Impregnated Sleeve Bearings ensure dependable, trouble-free high performance.
- Double Insulation provides maximum protection against electrical shock without grounding.
- Variable Speed Trigger Switch select the speed to match the job from 0 to 500 RPM. Drive screws, cut threads, start holes without center-punching (SP-5031 only).

SP-5031 Double Insulated ½" Variable-Speed-Reversing Professional Drill Specifications: Capacities: Steel ½", Hardwood 1", 0 to 500 RPM, 3.0 AMPS, 115-125 V. 25-60 Hz, U.L., Listed, C.S.A. Approved. (Side handle optional.)

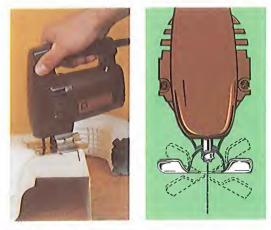
SP-5030 Double Insulated ½" Deluxe Drill
Specifications: Capacities: Steel ½", Hardwood 1", 500 RPM, 3.0 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved. (Side handle optional.)

For Drill Accessories see pages 13, 14 and 15.

# NEW '5000' SERIES



### CUTS CONTOURS, BEVELS AND CURVES FOR HOME AND HOBBY



Cuts light metal safely in seconds. Base tilts up to 45° in either direction for beveling.

#### SPECIAL PERFORMANCE FEATURES:

- Cuts All Materials wood, metal, plastics, compositions and plexiglass.
- Base Tilts Up to 45° in either direction for fast and easy bevel cuts.
- Exclusive Reversing Shoe for flush cutting along vertical surfaces.
- Patented Angled Blade Stroke designed for faster, smoother cutting.
- Automatic Air Blast clears sawdust for safer, more accurate cutting.
- Two Speeds high for wood, low for metals (SP-5041 only).
- Oil-Impregnated Sleeve Bearings ensure precise and accurate cuts plus long life.
- Double Insulation provides maximum protection against electrical shock without grounding.

(A) SP-5041 Double Insulated Deluxe Two Speed Sabre Saw Specifications: (Blade and hex key included.) Capacities: 2500 & 3200 Strokes/Min., 1/2" Stroke, 2.3 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved.

(B) SP-5040 Double Insulated Home Workshop Sabre Saw Specifications: (Blade and hex key included.) Capacities: 3200 Strokes/Min., ½" Stroke, 2.3 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved.

For Sabre Saw Accessories see page 26.

# NEW '5000' SERIES



#### HIGH-SPEED ACTION PROVIDES SWIRL-FREE FINISHES



Neoprene pad for wet or dry sanding.



Exclusive lock-in, roller clips for fast, easy and secure sandpaper replacement.

#### SPECIAL PERFORMANCE FEATURES:

- 10,000 High-Speed Orbits pure rubber bushings and high speed operation for swirl-free results.
- Permanently Resilient Neoprene Pad ideal for wet or dry sanding.
- Ball Bearings and Oil-Impregnated Sleeve Bearing positioned to ensure dependable, trouble-free performance.
- Light Weight for easier vertical and overhead sanding.
- Quick-Release Trigger Lock Button ideal for continuous sanding.
- Double Insulation provides maximum protection against electrical shock without grounding.

SP-5050 Double Insulated High Speed Orbital Sander Specifications: (Sandpaper Included) 10,000 Orbits Min., 1.8 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved.

For Orbital Sander Accessories see page 31.





#### CUT HOME REMODELING JOBS DOWN TO SIZE!

#### SPECIAL PERFORMANCE FEATURES:

- Rip Guide/Blade Wrench Combination for fast, accurate ripping to uniform widths.
- Automatic Sawdust Blower keeps work area clean for improved visibility and safer operation.
- · High-Velocity Cooling System for lower motor temperature and longer running time.
- Oil-Impregnated Sleeve Bearings ensure dependable, trouble-free high performance.
- Double Insulation provides maximum protection against electrical shock without grounding.
- Chisel-Tooth Combination Blade included free as standard equipment.

SP-5070 Double Insulated 71/4" Circular Saw Specifications: (Combination Blade Included.) Capacities: 2¾" @ 90°, 1¼" @ 45°, 5000 RPM, 10.0 AMPS, 115-125 V. 25-60 Hz. U.L. Listed, C.S.A. Approved.

For Circular Saw Accessories see page 28.

Free combination rip guide and blade changing wrench.



#### ONE YEAR REPLACEMENT WARRANTY

Millers Falls Company warrants to the original purchaser to replace by a new or like product any "5000 Series" power tool that fails within (1) one year of date of purchase due to a defect in material or workmanship. Replacement may be made by returning the tool to the dealer where purchased or to any authorized Millers Falls service station or distribution center with proof of purchase.

This warranty applies only to "5000 Series" power tools which have not been abused, misused or used in rental service, and is void if repairs or part replacements have been made or attempted.

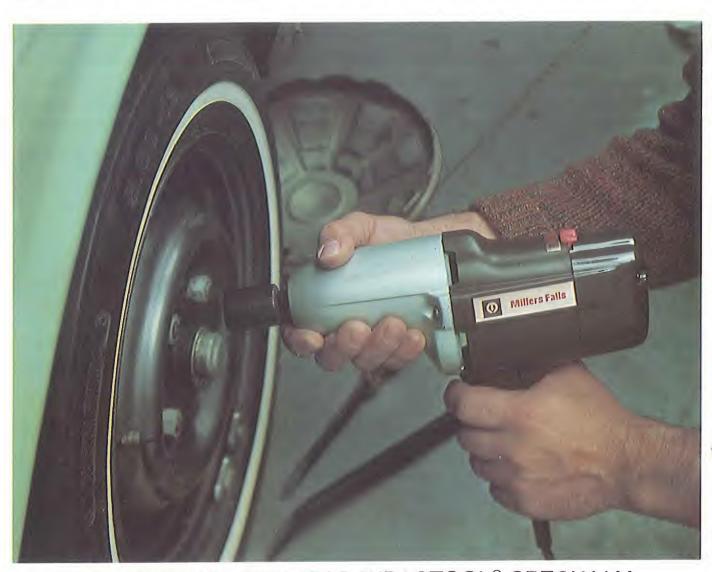
#### WORLD-WIDE SERVICE

YOUR LOCAL MILLERS FALLS DEALER IS BACKED BY A NETWORK OF DISTRIBUTORS AND SERVICE CENTERS THROUGHOUT THE UNITED STATES, CANADA AND THE WORLD TO GIVE YOU FAST AND COURTEOUS SERVICE.

OO'SER

# 1/2" SQUARE DRIVE REVERSING IMPACTOOL®

# DOUBLE INSULATED



#### THE FIRST ALL PURPOSE IMPACTOOL® SPECIALLY **DESIGNED AND PRICED** FOR THE HOME





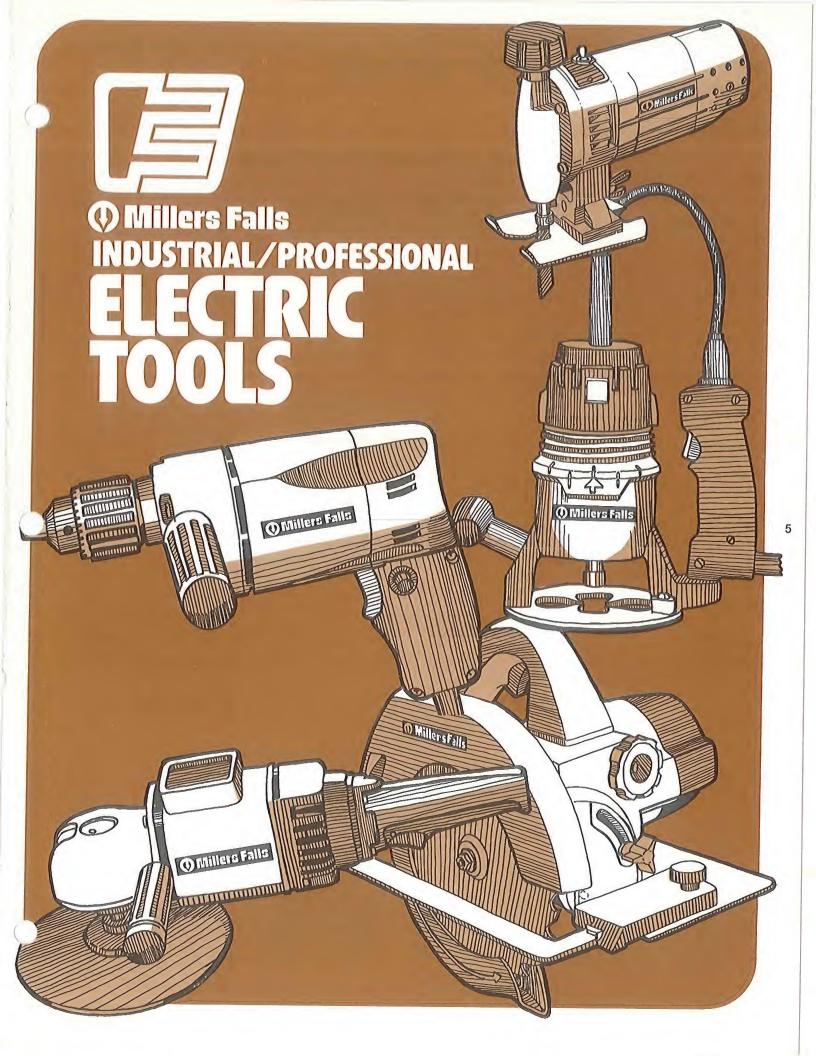


Push button power for secure fastening.

#### SPECIAL PERFORMANCE FEATURES:

- Light Weight with easy one-hand grip operation.
- Full Power Reversing Switch delivers the power to loosen frozen bolts and nuts.
- High Temperature Motor ensures longer life with trouble-free performance.
- Oll-Impregnated Bronze Bearings give dependable, troublefree performance.
- High-Torque Output delivers 95/130 ft. lbs.
- Double Insulation provides maximum protection against electrical shock without grounding.

SP-5060 Double Insulated ½" Square Drive Reversing Impactool Specifications: Capacity: ½" Dia. Bolt, 2000 Impacts/Min., 1950 RPM, 4.5 AMPS, 115-125 V., 25-60 Hz. U.L. Listed, C.S.A. Approved. For Impactool Accessories see page 25.





#### Millers Falls . . . the Professional's choice

For more than a century, the name Millers Falls has been synonymous with quality tools. The standards of excellence associated with American craftsmen are a tradition which is strongly reflected in the Millers Falls line of industrial and professional electric power tools.

Every electric tool is backed by our warranty, and, our warranty is backed by a worldwide chain of service centers with a reputation that is unsurpassed in the industry.

6

Millers Falls manufactured and introduced America's first double insulated electrical tools to keep workers safe from electrical shock—just one of many safety and performance features designed into every Millers Falls double insulated tool. Every drill, every saw, every sander, every tool can be relied upon for years of service. This is why, when superbly crafted and highly durable power tools must perform day after day, the professionals choose Millers Falls.

## warranty

Millers Falls warrants to the original purchaser for (1) one year from date of purchase, to correct by repair or parts replacement at no charge, any defect which upon our examination proves to have been caused by faulty materials or workmanship. This warranty does not cover abuse, normal wear or careless handling and is void if the tool has been repaired or serviced by personnel not authorized by Millers Falls. Simply return the tool (properly packed with all transportation charges prepaid) to the nearest Millers Falls Distribution Center or Authorized Service Station. No other warranty, however expressed or implied, on our products is authorized by us.

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#### Model SP220 1/4" Heavy Duty Drill

- Built for the heavy duty industrial requirements of general automotive, heavy maintenance and production line work
- Ball and needle bearings throughout for extended, trouble-free service
- Heavy duty cord for safety, durability
- Heat treated steel gears for longer life
  Glass fiber filled phenolic frame with shatter
- resistant handle

  Quick release trigger lock button for continuous
- Double insulated for safety—no grounding required
  - Specifications: 1900 RPM 3.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 31/6 Lbs. UL Listed, CSA Approved Capacity: 1/4" Steel, 1/2" Wood

7

## SP220

#### Model SP6015 ¼" Professional Duty Variable-Speed Drill

- The most versatile multi-purpose drill in its class
- Variable speeds from 0 to 2200 RPM to drill virtually all materials
- Self-starts holes at low speeds without center punching
- Ball and needle bearings throughout for extended, trouble-free service
- Heat treated steel gears for longer life
- Glass fiber filled phenolic frame and gear case with shatter resistant handle
- Quick release trigger lock button for continuous operations
- Double insulated for safety—no grounding required

Specifications: 0 to 2200 RPM 2.7 Amps 115-125 Volts (AC Only) 25/60 Hz. Net Wt: 2% Lbs. UL Listed, CSA Approved Capacity: ¼" Steel, ½" Wood

#### Model SP6014 ¼" Professional Duty Drill

SP6004

Same outstanding features and specifications as Model SP6015 except:

• 2200 RPM constant speed operation Capacity: ¼" Steel, ½" Wood

#### Model SP6004 1/4" Professional Duty Drill

- Recommended for professionals—plumbers, electricians, carpenters, installers and maintenance men
- Multi-ball thrust and oil impregnated sleeve bearings for long life
- Glass fiber filled phenolic frame and gear case with shatter resistant handle
- Quick release trigger lock button for continuous operations
- Double insulated for safety—no grounding required

Specifications: 2250 RPM 2.5 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 2% Lbs. UL Listed, CSA Approved Capacity: ¼" Steel, ½" Wood

#### Model 220-11 1/4" Heavy Duty Drill

 Built for continuous production line duty including automotive, modular and mobile home assembly, and heavy maintenance

Ball and needle bearings throughout for extended, trouble-free service

Heat treated steel gears for longer life

Quick release trigger lock button for continuous operations

Heavy duty 3-conductor cord for safety, durability

Compact and lightweight for fatigue-free, all day use

Specifications: 1900 RPM 2.7 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 3½ Lbs. UL Listed, CSA Approved Capacity: ¼" Steel, ½" Wood

#### Model 225 1/4" Heavy Duty Drill

Same outstanding features and specifications as Model 220-11 except 3000 RPM speed.



#### Model SP3139 %" Professional Duty Variable-Speed-Reversing Drill

 Unlimited variety of maintenance and building trade applications

Variable speed control to drill virtually all materialsthrottle can be preset to the exact drilling speed for each job

Reverses to remove jammed drill bits, screws, nuts and bolts

Quick release trigger lock button for continuous operations

Self-starts holes at low speeds without center punchinghigh speeds to get the job done quickly

Heat treated steel gears for longer life

Multi-ball thrust needle and oil impregnated sleeve bearings for long life

Double insulated for safety-no grounding required

Specifications: 0 to 2000 RPM 2.5 Amps 115-125 Volts (AC Only) 25/60 Hz. Net Wt: 3 Lbs. UL Listed, CSA Approved Capacity: %" Steel, %" Wood



 Recommended for professionals plumbers, electricians, carpenters, installers and maintenance men

220-11

High capacity motor to handle the toughest jobs

Heat treated steel gears for longer life

Ball and needle bearings for extended, trouble-free service

Double reduction gear drive for high torque

Quick release trigger lock button for continuous operations

Double insulated for safety-no grounding required

> Specifications: 1000 RPM 2.7 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 3 Lbs. UL Listed, CSA Approved Capacity: %" Steel, %" Wood

Model SP6005 3/8" Professional Duty Drill

Same features as Model SP6038 except:

 Multi-ball and oil impregnated sleeve bearings

Specifications: 1000 RPM 2.5 Amps 115-125 Volts AC/DC 25/60 Hz.

Net Wt: 3 Lbs. UL Listed, CSA Approved Capacity: 36" Steel, 34" Wood







SP8802



- Unlimited variety of maintenance and building trade applications
- Variable speeds from 0 to 1000 RPM to drill virtually all materials
- Reverses to remove jammed drill bits, screws, nuts and bolts
- Self-starts holes at slow speeds without center punching
- Heat treated steel gears for longer life
- Ball and needle bearings for extended, trouble-free service
- Double reduction gearing for high torque
- Quick release trigger lock button for continuous operations
- Double insulated for safety—no grounding required

Specifications: 0 to 1000 RPM 2.7 Amps 115-125 Volts (AC Only) 25/60 Hz. Net Wt: 3 Lbs. UL Listed, CSA Approved Capacity: %" steel, %" Wood

#### Model SP240 3/8" Heavy Duty Drill

- Built for the heavy duty requirements of general automotive, heavy maintenance and production line work
- Extra capacity for driving small hole saws and carbide-tipped masonry bits
- Ball and needle bearings throughout for extended, trouble-free service
- Heat treated steel gears for long life
- Removable multi-position side handle for added control
- Quick release trigger lock button for continuous operations
- Double insulated for safety—no grounding required

Specifications: 1000 RPM 3.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 3% Lbs. UL Listed, CSA Approved Capacity: %" Steel, %" Wood

#### Model 250 %" Heavy Duty Drill

- Built for continuous production line duty including automotive, modular and mobile home assembly, and heavy maintenance
- Extra capacity for driving small hole saws and carbide-tipped masonry bits
- Triple reduction gear drive for extra high torque
- Ball and needle bearings throughout for extended, trouble-free service
- Heavy duty 3-conductor cord for safety, durability
- Quick release trigger lock button for continuous operations

Specifications: 1000 RPM 2.7 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 41/4 Lbs. UL Listed, CSA Approved Capacity: 36" Steel, 34" Wood

#### Model SP8802

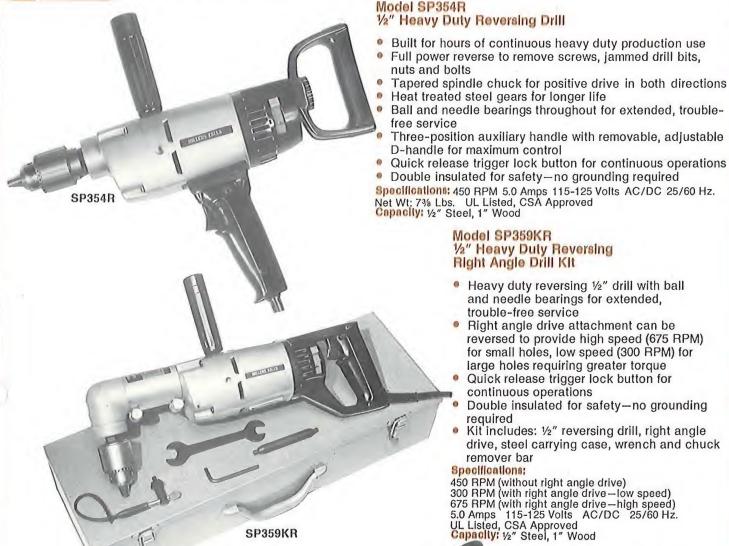
#### 3/8" Professional Duty Power Tool Kit

- This versatile tool is ideal for sanding, polishing, driving screws and drilling
- Kit Includes: %" drill, 6" rubber backing pad, three abrasive discs and 6" wool bonnet
- Heat treated steel gears for longer life
- Oil impregnated bronze bearings for extended service
- Quick release trigger lock button for continuous operations
- Double insulated for safety—no grounding required

Specifications: 3200 RPM 5.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 5½ Lbs. UL Listed, CSA Approved Capacity: ¾" Steel, ¾" Wood







#### Model SP512R 1/2" Heavy Duty Reversing Drill

- Ideal for general automotive, heavy maintenance and production line work
- Reversing switch to remove screws, jammed drill bits, nuts and bolts
- Tapered spindle chuck for positive drive in both directions
- Ball and needle bearings throughout for extended, trouble-free service
- Close coupled gearing for drilling in tight places
- Adjustable D-handle with removable auxiliary handle for added control
- Quick release trigger lock button for continuous operations
- Double insulated for safety—no grounding required

Specifications; 550 RPM 5.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 9½ Lbs. UL Listed, CSA Approved Capacity: ½" Steel, 1" Wood



# electric tools

3/4 INCH DRILLS

#### Model 2034 3/4" Super Heavy Duty Drlll

 Rated for the toughest kinds of continuous duty applications

Full ball bearing spindle with armature ball bearings for extended, trouble-free service

Needle bearings on intermediate pinions and gears

Heat treated steel gears for longer life

 Adjustable auxiliary D-handle with removable pipe handle for maximum control

Specifications: 450 RPM 10.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 171/2 Lbs. UL Listed, CSA Approved Capacity: 3/4" Steel, 2" Wood

#### Model 2034R 3/4" Super Heavy Duty Reversing Drill

Same outstanding features as Model 2034 with the addition of:

 Reversing switch for removing screws, jammed drill bits, nuts and bolts

Specifications Same as Model 2034 except: Net Wt.: 17% Lbs. Capacity: 34" Steel, 2" Wood



Specifications: Base -8" x 71/2" Overall Height -21" 'Feed -2%" Chuck to Table -10" Chuck to Column -6"

2034

12



# (1) Millers Falls

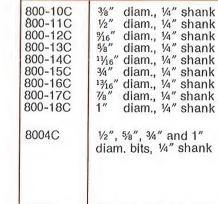
# electric tools

#### DRILL ACCESSORIES continued





High Speed Power Bits. Fast, clean cuts in wood, plastics, encountered nails and screws. 14" shank, 5" cutting depth. Packed in individual vinvl display pouch.



1/2"

Cat. No.



4-Piece Power Bit Set. Includes four 800 series high speed power bits. Display packed in vinyl pouch.

6-Piece Power Bit Set, Includes six 800 series high speed power bits. Display packed in vinyl

pouch.

%", ½", %", ¾", %" and 1" diam. bits, ¼" shank 8006C

Specifications

diam., ¼" shank diam., ¼" shank diam., ¼" shank



Heavy Duty High Speed Power Bits. Bores holes at high speed through partitions, flooring, etc. Heavy duty 3/8" shank, 5" cutting depth. Packed in individual vinyl display pouch.

838-04C 1" diam., %" shank 1%" diam., %" shank 838-05C 1¼" diam., ¾" shank 1¼" diam., ¾" shank 1¾" diam., ¾" shank 1½" diam., ¾" shank 838-06C 838-07C 838-08C

\*835C 8006C

Power Bit Extensions, Ideal for getting into tight and hard-toget-at places. Follow through 11/16" or larger. Carded.

835C 1/4" shank x 12" long 3/8" shank x 14" long 8383C

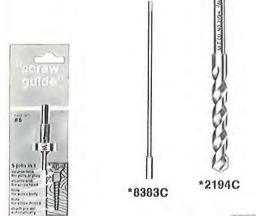
2191C 2192C

2193C

2194C

2195C

2196C 2197C %6" diam., ¼" shank ¼" diam., ¼" shank %6" diam., ¼" shank %6" diam., ¼" shank %" diam., ¼" shank



Masonry Drill Bits. Shockresistant tungsten carbide edges, precision ground for faster concrete masonry and brick drilling. Packed in individual vinyl display pouch.

Screw Guides. Drills and countersinks for any length wood screw. Sizes for No. 6, No. 8, No. 10, No. 12 screws.

Always stops at correct preset

% diam., ¼ shank ½" diam., ¼" shank %" diam., %" shank ¼" diam., %" shank #6 screw, ¼" shank #8 screw, ¼" shank #10 screw, ¼" shank 1465-06C 1465-08C 1465-10C 1465-12C #12 screw, 1/4" shank

1465-06C

5-Piece Screwdriver Bit Set. For use with any variable speed power drill. For driving slotted head & phillips head screws. 1/4" shank, Carded.

depth. Carded.

9555C 5-piece set includes: #1 and #2 phillips head bits; #6-8, #8-10, #10-12 bit and finders for flat head screws: 1/4" hex shank



\*9556C



#### 6-Piece Socket Set.

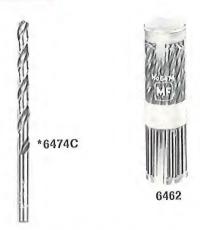
To drive and remove nuts, bolts and hex head screws. 1/4" hex shank adaptor. Carded.

9556C 6-piece set includes: 14", 132", 516", 1132", 38" and 16" sockets 1/4" hex shank adaptor

\*9555C

# electric tools

## DRILL ACCESSORIES continued



High Speed Twist Drills. Fully heat treated molybdenum high speed steel. Longer life angle points. Accurate drilling in any machineable material. Packed 12 per plastic vial.

High Speed Twist Drills. Fully heat treated molybdenum high speed steel. Longer life angle points. Accurate drilling in any machineable material. Individually carded.

13-Piece Twist Drill Set.

Includes 13 sizes from 1/16"

through 1/4" diam. by 64ths. Includes prick punch and

durable plastic case. Carded.

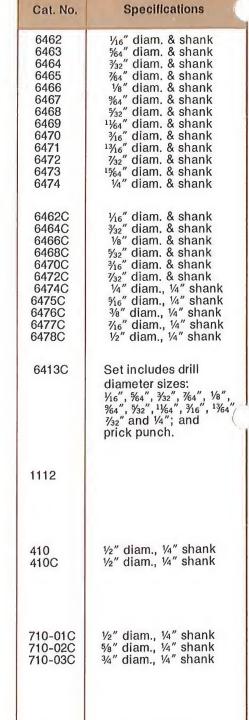
Auxiliary Side Handle. For use

Countersink Bit. Five 82° flutes

milled and ground for use on soft metals and wood. "C"

with Models SP5030 and

SP5031 drills.



3/8" x 24 threaded spindle

2130



\*6413C



1112



410C

14

710-02C



flutes milled and ground to cut any machineable material. 1/4" shank, Carded.

High Speed Steel Countersink

Bits. Five 82° high speed steel

denotes carded.

Right Angle Attachment.

Universal attachment fits all 1/4" or 3/8" drills. Reversible auxiliary handle. Attachment screws directly onto drill spindle-drill chuck screws onto attachment.

Hole Saws and Mandrels. For wood and metal cutting hole saws and mandrels, see Pages 46 and 47.

\* Denotes carded or packed in vinyl pouch.



# (1) Millers Falls

# electric tools

#### **DRILL ACCESSORIES continued**



\*9109C





9603C

\* 2155C

\*9320C

Wire Brushes. For paint, scale and rust removal; metal polishing and deburring. Use with No. 9109C Arbor or other 1/2" arbors. Carded.

Wire Cup Brushes. For paint, scale and rust removal; metal polishing and deburring. Fits all electric drills. Carded.

1/2" Arbor. Has 1/4" shank for use with wire brushes, cups, grinding wheels, rubber pads, etc. Carde

Rubber Backing Pad and Adapto For use with 5" wool bonnets an sanding discs. Carded.

Rubber Backing Pad. For use with 6" wool bonnets and sanding discs. Includes spindle nut.

Sanding Discs. Fast cutting durable 5 inch sanding discs. Fits Millers Falls No. 2155C rubber backing pad and others. Carded.

Wool Bonnets. Tough, long lasting lambs wool bonnet. Packed in poly-bag with hang card.

Drill Chucks. High quality, 3-jaw geared chucks. Supplied complete with key.

Jacobs Taper Chucks. Fits all standard Jacobs Taper Spindles.

9969

9973

103169

104155

103287

12716 12718

1/2"

3/4"

1/4" T-style

1/4" L-style

%" T-style ½" T-style %" and ½" T-style

6-JT

3-JT

Chuck Keys. Packed one per envelope.

	Cat. No.	Specifications
	9603C	3" diam. coarse, ½" arbor hole
ıg	9604C	4" diam. coarse, ½" arbor hole
	9134C	1¾" diam. coarse, ¼" spindle
	9234C	2¾" diam. coarse, ¼" spindle
)	9109C	1/4" shank
g ed.		
	04550	5" diam. ¼"
or. nd	2155C	shank adaptor.
	9672	6" diam.
ng		
	9320C 9350C	120 Grit—5" diam. (fine) 50 Grit—5" diam. (coarse) 80 Grit—5" diam. (medium)
	9380C	80 Grit—5" diam. (medium)
	1	
	9621C	5" diam.
	9667C	6" diam.
		Cine Throad
V	9962 9964	Size Thread 1/4" 3%" x 24 3%" 1/2" x 20
	9965 9967	3/8" 3/8" x 24 1/2" 1/2" x 20
	9968 9971	1/2" 5/8" x 16 1/2" 1/2" x 20
- 1		



\* Denotes carded or packed in vinyl pouch.

# Millers Falls electric tools HAMMER DRILLS

## Model SP259 1/2" Heavy Duty Hammer Drill

 Exclusive cam and roller impact mechanism outlasts competitive designs because hammer blows never contact cam rollers—rigged anvil absorbs full impact

 Ball and needle bearings throughout for extended, trouble-free service

 Twist nose selector ring to convert from hammer drilling to regular drilling

Heat treated gear train for extended service

Removable side handle and adjustable depth gauge

Quick release trigger lock button for continuous operations

Double insulated for safety—no grounding required

Specifications: 1900 RPM 8000 Blows Per Minute 3.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 5% Lbs. UL Listed, CSA Approved Capacities:

Carbide Drills: 1/2" Brick and Masonry, 3/8" Tile

Twist Drills: 36" Steel, 34" Wood

Chuck Capacity: 36"

#### Model SP379 3/4" Heavy Duty Hammer Drill

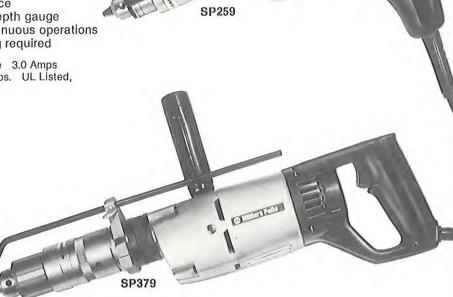
Same outstanding features as Model SP259.

Specifications: 1500 RPM 6000 Blows Per Minute 5.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 9¾ Lbs. UL Listed, CSA Approved Capacities:

Carbide Drills: 34" Brick and Masonry, 1/2" Tile

Twist Drills: 1/2" Steel, 1" Wood

Chuck Capacity: 1/2"



#### HAMMER DRILL ACCESSORIES



Metal Carrying Case
For use with Model SP379 Hammer Drill.



#### Percussion Carbide-Tipped Masonry Bits

Drills through brick, masonry, stone, slate. Carbide bit cuts at maximum efficiency without clogging. Packed individually in plastic sleeve with hang tab. For use with Models SP259 and SP379 Hammer Drills.



# (1) Millers Falls

electric tools

**ROTARY HAMMER** 

#### Model SP499K Heavy Duty Rotary Hammer Kit

- Dual Action—hammering stroke combined with power rotation drills through brick, masonry in record time
- Switch to hammering only for use with demolition tools to channel, chisel, slot, chip, tuck point and surface
- New built-in lubricator automatically lubricates critical moving parts
- Exclusive wear-free safety clutch eliminates frequent adjustments, reduces maintenance costs and protects operator, tool and bit
- Full ball and needle bearings throughout for extended, trouble-free service
- Exclusive lever-action retainer
- Double insulated for safety—no grounding required
- Kit Includes: Model SP499 Rotary Hammer, special rotary hammer lubricant, 3-position auxiliary handle, dust shield, depth gauge and metal carrying case



Specifications: 3000 Blows/Minute 320 RPM 8.0 Amps 115-125 Volts AC/DC 25/60 Hz. Overall Length without Bit: 21½" Net Wt: 17% Lbs. (Hammer Only) UL Listed, CSA Approved Capacities: Brick, concrete, masonry, tile, porcelain, wood. With percussion carbide-tipped drills—1½" With core type drills—2"

#### ROTARY HAMMER ACCESSORIES

Demolition Tools. For use with Millers Falls Model SP499K Rotary Hammer. Also fits Ingersoll-Rand Model HS625U and HS650U and others. Round shanks for hammering only action.

Moil Point Chisel (Bull Point). For demolition drilling.

Cold Chisel. For chipping, channeling, edging.

Motar Chisel. For seaming, caulking, pointing.

Scaling Chisel. For removing scale, and chiseling.

Slotting Tool. For slotting and demolition.

Bushing Tool. For surfacing concrete.

Wood Chisel. For wood gouging and shaping.

Cat. No.	Blade Width	Overall Length
750-12	point	12"
751-12	7/8″	12"
752-12	11/8"	12"
754-12	13/4"	12"
755-15	1 1/8"	15"
756-8	1¼" x 1¼"	8"
757-12	. 11/2"	12"

Regular (30°) Tip - 9/16" (.557) Hexagon Shank

No. AGI Special Rotary Hammer Model SP499K Rotary Hammer.	Lubricant.	For use v	vith
Percussion Carbide Drills.			

For Millers Falls SP499K Rotary Hammer, Ingersoll-Rand HS625U, HS650U, and others.



Flat (10°) Tip - 9/16" (.557) Hexagon Shank

Number	Diameter	Overall Length	Drilling Depth
314-12	7/16"	12"	61/4"
315-12	15/32"	12"	61/4"
316-12	1/2"	12"	61/4"
320-12	5/8"	12"	61/4"
322-12	11/16"	12"	61/4"
324-12	3/4"	12"	61/4"
327-12	27/32"	12"	61/4"
328-12	7/8"	12"	61/4"
332-12	1"	12"	61/4"
336-12	1 1/8"	12"	61/4"

Number	Diameter	Overall Length	Drilling Depth
108-10	1/2"	10"	41/2"
108-16	1/2"	16"	101/4"
108-22	1/2"	22"	161/4"
109-12	9/16"	12"	61/4"
110-10	5/8"	10"	41/2"
110-16	5/8"	16"	101/4"
110-22	5/8"	22"	161/4"
111-12	11/16"	12"	61/4"
112-10	3/4"	10"	41/2"
112-16	3/4"	16"	101/4"
112-22	3/4"	22"	161/4"
114-12	7/a"	12"	61/4"
114-16	7/8"	16"	101/4"
114-22	7/8"	22"	161/4"
116-12	1"	12"	61/4"
116-16	1"	16"	101/4"
116-22	1"	22"	161/4"
118-12	1 1/8"	12"	61/4"
118-16	1 1/8"	16"	101/4"
118-22	1 1/8"	22"	161/4"
120-14	1 1/4"	14"	61/4"
120-22	1 1/4"	22"	161/4"
122-14	1 3/8"	14"	61/4"
122-22	1 3/8"	22"	161/4"
124-14	1 1/2"	14"	61/4"
124-22	1 1/2"	22"	161/4"



Models 50R, 50R1, 50R2 Adjustomatic Clutch **Heavy Duty Reversing Screwdrivers** 

Industry's most versatile and reliable electric screwdrivers

Adjustomatic clutch designed for applications requiring torque control

Interlocking reversing switch and heavy duty clutch spring supplied as standard equipment

All ball bearing construction for extended, trouble-free service

Heat treated steel gears for longer life

Interchangeable switch levers

Select medium, light or extra-light spring assemblies

Convenient retractable cord stays clear of work area - no need to coil, tape or stow excess cord

Specifications: 50R; 800 RPM 50R1: 1200 RPM 50R2: 2000 RPM 1.7 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 4% Lbs. UL Listed, CSA Approved

Capacities: Machine Screws: 1/4" Wood Screws: No. 12 x 11/2" Chuck Capacity: 1/4" Hex

#### Models SP420R, SP420R1, SP420R2 Adjustomatic Clutch **Heavy Duty Reversing Screwdrivers**

Designed and built for continuous heavy duty production line use

Adjustomatic clutch designed for applications requiring torque control

Heat treated steel gears for longer life

Heavy duty double-pole switch

All ball and needle bearings for extended, troublefree service

Exclusive interlocking reversing switch prevents accidental reversing

Quick release trigger lock button-ideal for repetitive operations

Double insulated for safety—no grounding required

Specifications: 2.5 Amps 115-125 Volts AC/DC 25/60 Hz. UL Listed, CSA Approved

Models 420R, 440R, 445R **Adjustomatic Clutch Heavy Duty Reversing Screwdrivers** 

Speed

(RPM)

600

900

1600

 Designed and built for continuous heavy duty production line use

**SP420R** 

Mach.

Screws

1/4"

1/4"

1/4"

Capacities

Wood

Screws

#12 x 1 1/2"

#12 x 11/2"

#10 x 11/4"

Chuck

1/4" Hex

1/4" Hex

1/4" Hex

Wt.

4 Lbs.

4 Lbs.

3% Lbs.

Adjustomatic clutch designed for applications requiring torque control

Drives machine or wood screws fast and snug with repetitive torque

Heat treated steel gears for longer life

All ball and needle bearings for extended, troublefree service

Reversing switch for removing screws, nuts and bolts

Quick release trigger lock button-ideal for repetitive operations

Specifications: 2.2 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 4 Lbs. UL Listed, CSA Approved





(RPM) No. ¼" Hex. ¼" Hex. 420R 1600 #12 x 11/2" 440R 800 1/4" Hex 1/4" #12 x 11/2" 41/4 Lbs. 445R 500

Speed

Model

Model

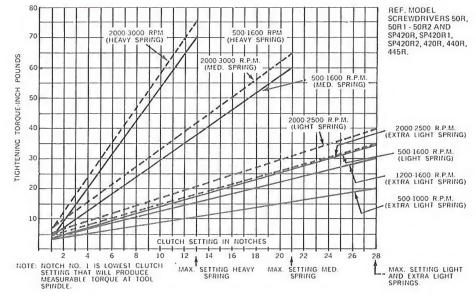
No.

SP420R

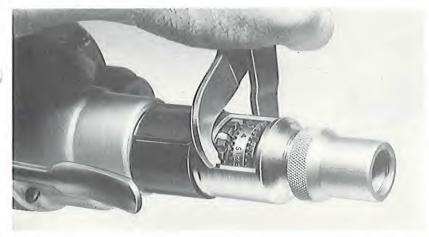
SP420R1

SP420R2

# Millers Falls electric tools millers falls adjustomatic® clutch



All data taken at 115V A.C., on 6, 8, 10-32 and ¼-20 TH'D Hex-Socket Fillister Head Steel Screws. A flat soft steel washer was placed between head of screw and ¾" thick mild steel plate.



## Patented Adjustomatic Clutch Assures Super-Sensitive Torque Control.

- Adjustable from 5 inch-pounds to 70 inch-pounds.
- Performance-proven on the most difficult torque control applications—assembling eyeglass frames and ceramic electronic components, driving self-tapping screws in plastic, etc.

Millers Falls Electric Screwdrivers and Nut Runners embody a patented Adjustable Clutch which permits the desired torque to be obtained by turning a serrated adjusting collar to a given point. The clutch may be adjusted quickly and easily to provide the desired degree of tightness for each screw or nut size within the indicated capacity. For jobs where exceptionally light tension is necessary a special light torsion spring may be obtained from the factory or from Millers Falls Service Stations.

#### Quick, simple adjustment.

In just a few seconds, correct tension can be set by lining up the end of the torsion spring with the appropriate number on the adjusting ring. Convenient tongs are supplied or the adjustment may be made with the fingers.

RPM		Spring ers Falls No.	Torq Inch	ening ue in Lbs. Max.		and Mil	n Spring Iers Falls t No.	Torq Inch	ening ue in Lbs. Max.
	EXTRA LIGI .051 Dia.	HT No. 17654	3	20		EXTRA LIG .051 Dia.	No. 17654	5	35
500 To	LIGHT .095 Dia.	No. 19575	4	35	2000	LIGHT .095 Dia.	No. 19575	6	40
1000	MEDIUM .106 Dia.	No. 18206	5	60	To 2500	MEDIUM .106 Dia.	No. 18206	8	65
	HEAVY 7/64 Sq.	No. 14899	5	70		HEAVY 7/64 Sq.	No. 14899	8	75
	EXTRA LIGI .051 Dia.	HT No. 17654	4	30		LIGHT .095 Dia.	No. 19575	10	50
1200	LIGHT .095 Dia.	No. 19575	4	35	3000	MEDIUM .106 Dia.	No. 18206	10	65
To 1600	MEDIUM .106 Dia.	No. 18206	5	60		HEAVY 7/64 Sq.	No. 14899	12	75
	HEAVY 7/64 Sq.	No. 14899	5	75					

ABOVE SPRINGS AVAILABLE AS SERVICE PARTS ONLY.

# (1) Millers Falls

# electric tools

**SCREWDRIVERS** 

#### Models SP422R, SP422R1, SP422R2 **Positive Clutch Heavy Duty Reversing Screwdrivers**

- Ideal for driving screws in materials of different density, excellent for wood screws
- Instantaneous Control-drives when operator applies pressure, stops instantly when pressure is released
- Full ball and needle bearing construction for extended, trouble-free service
- Heat treated steel gears for longer life
- Exclusive interlocking reversing switch to prevent accidental reversing
- Quick release trigger lock button-ideal for repetitive operations
- Double insulated for safety-no grounding required

Specifications: 2.5 Amps 115-125 Volts AC/DC 25/60 Hz. UL Listed, CSA Approved



Model No.	(RPM)	Mach. Screws	Screws	Chuck	Wt.
SP422R	600	1/4"	#12 x 1½"	1/4" Hex.	3% Lbs.
SP422R1	900	1/4"	#12 x 1½"	1/4" Hex.	3% Lbs.
SP422R2	1600	1/4"	#10 x 1¼"	1/4" Hex.	3½ Lbs.



		oup	COMMO		
Model No.	Speed (RPM)	Mach. Screws	Wood Screws	Chuck	Net Wt.
4420R	1900	1/4"	#10 x 1 1/4"	1/4" Hex.	3% Lbs.
4440R	1000	1/4"	#12 x 11/2"	1/4" Hex.	31/2 Lbs.
4445R	700	1/4"	#12 x 11/2"	1/4" Hex.	31/2 Lbs.

#### Models 4420R, 4440R, 4445R Positive Clutch Heavy Duty Reversing Screwdrivers

- Designed and built for continuous production driving and nut running applications
- Ideal for driving screws in materials of different density, excellent for wood screws
- Instantaneous Control-drives when operator applies pressure, stops instantly when pressure is released
- Full ball and needle bearings for extended, trouble-free service
- Reversing switch for removing screws, nuts and bolts
- Quick release trigger lock button for repetitive operations
- Heat treated steel gears for longer life

Specifications: 2.7 Amps 115-125 Volts AC/DC 25/60 Hz. UL Listed, CSA Approved



Specifications: 2500 RPM 4.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt; 3% Lbs. UL Listed, CSA Approved Machine Screws; 1/4" Wood Screws, Teks and other self-tapping, self-drilling fasteners: No. 10 Chuck Capacity: 1/4" Hex

#### Model SP424R Heavy Duty Drill-N'-Fasten Reversing Driver

- Designed for driving Teks® and other self-drilling, self-tapping screws
- New positive clutch minimizes thread stripping; drives when operator applies pressure, stops when pressure is released
- Exclusive "quik-clik" adjustment changes depth setting .01" each click-included as standard equipment
- Heat treated steel gears for longer life
- Exclusive interlocking reversing switch to prevent accidental reversing
- Full ball and needle bearing construction for extended, trouble-free service
- Quick release trigger lock button for repetitive operations
- Double insulated for safety—no grounding required

# Millers Falls electric tools screwdrivers (cont'd)

#### Model SP415R Heavy Duty Reversing High Torque Screwdriver

- Excellent balance, sensitive feed and unsurpassed control for driving and removing screw sizes up to #14
- Exclusive double-life brushes with automatic motor burn-out protection—high temperature insulated magnet wire protects against burn-out under overload and abusive treatment
- Exclusive air cooled rear bearing mounting—bearing runs cooler, lasts longer
- Geared down to 275 RPM for extra high torque
- Heat treated steel gears for longer life
- Impregnated bronze bearings
- Quick release trigger lock button for repetitive operations
- Double insulated for safety—no grounding required



Specifications: 275 RPM 2.0 Amps 115-125 Volts AC Only 25/60 Hz. Net Wt: 3½ Lbs. UL Listed, CSA Approved Capacity: Machine Screws: ¼" Wood Screws: No. 14 Chuck Capacity: ¼" Hex



Specifications: 2500 RPM 4.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 31/4 Lbs. UL Listed, CSA Approved Capacity: Machine Screws: 1/4" Wood Screws: No. 10 x 2" Chuck Capacity: 1/4" Hex

#### Model SP428R Heavy Duty Reversing Drywall Screwdriver

- Drives each screw to exact preset depth below surface
- Clutch disengages automatically to prevent marred screw heads or damaged wallboard
- Exclusive "quik-clik" adjustment changes depth setting .01" each click and maintains precise adjustment
- Heat treated steel gears for longer life
- Full ball and needle bearing construction for extended, trouble-free service
- Exclusive interlocking reversing switch to prevent accidental reversing
- Quick release trigger lock button for repetitive operations
- Double insulated for safety—no grounding required



Specifications: 2500 RPM 2.7 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 4¾ Lbs. UL Listed, CSA Approved Capacity: Machine Screws: ¼" Wood Screws: No. 10 x 2" Chuck Capacity: ¼" Hex

#### Model 4425R Heavy Duty Reversing Drywall Screwdriver

- Drives each screw to exact preset depth below surface
- Clutch disengages automatically to prevent marred screw heads or damaged wallboard
- Exclusive "quik-clik" adjustment changes depth setting .01" each click and maintains precise adjustment
- Heat treated steel gears for longer life
- Full ball and needle bearing construction for extended, trouble-free service
- Reversing switch for removing screws, nuts and bolts
- Quick release trigger lock button for repetitive operations

# (1) Millers Falls

# electric tools

#### SCREWDRIVER ACCESSORIES



"Quik-Clik" Stop Adapter. Assures uniform driving to exact depth required in production line applications. For use with SP424R, SP428R and 4425R



"Quik-Clik" Available in other length for practical socket.

•
' Stops. For use with SP424R.  1" standard length and five s to permit correct settings lly every popular bit and

9640

9641

Magnetic Bit Tip. No. 2 phillips head bit fits all popular make drywall screws.



9642

Magnetic Bit Holder. For use with No. 24757 magnetic bit tip. 1/4" hex shank. Fits all Millers Falls and other popular screwdrivers.

Suspension Balancers. For use with 50R series and other screwdrivers. Features continuous straight-line pull, multiposition cable stop and safety declutching main spring.

Right Angle Drive. Permits operation in close quarters, corners, between studs and other awkward spots. For use with Models 50R, 50R1, 50R2, 440R, 420R, 445R, SP420R, SP420R1 and SP420R2 screwdrivers. Ball bearing construction.

Finder Cap. Must be used with bit, finder and finder spring on adjustomatic and positive clutch screwdrivers.

Finder Spring. Must be used with bit, finder and finder cap on adjustomatic and positive clutch screwdrivers.

	Cat. No.	Specifications
	9637	For use with all "Quik- Clik" stops. One click changes depth by .01 inch.
	9638 9639 9640 9641 9642 9643	13/16" long 1" long 11/4" long 11/2" long 13/4" long 2" long
	24757	#2 phillips head
	24756	¼" hex shank
g	565-01 566-01 567-01	4 lb. capacity, 5' cable 5 lb. capacity, 8' cable 10 lb. capacity, 8' cable
	1033	90° angle
	17034	
	47007	

565-01 566-01 567-01 1033





#### SCREWDRIVER BITS, FINDERS & SOCKETS





Bits and Finders. Special temper for slotted head hardened screws. For use with 17034 finder cap and 17037 spring. 1/4" hex shank 127/32" long.

Screw Size	Bit Number	Finder Number
#2	18752	17035
#4	18753	14901
#6	18754	14902
#8	18755	14903
#10-12	18788	14904
#14	18789	17380

17037





Bits and Finders. Special temper for slotted head hardened screws. For use with 17034 finder cap and 17037 spring. 1/4" hex shank. 31%32" long.

Screw Size	Bit & Finder Combination	Bit Number
#6	18768	18776
#8	18770	18778
#10-12	18784	18780

9638

24756

9639

BALANCER

4 L85

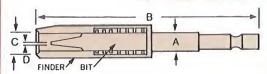


# **(1)** Millers Falls

# electric tools

### **SCREWDRIVER ACCESSORIES (continued)**

#### 1/4" HEX SHANK FLAT BITS-WITH ROTATING FINDERS



For slotted head screws. Use with adjustable, positive clutch and direct drive screwdrivers.

	Screw Sizes and Types			Catalog No. and Dimensions				
Flat Head Wo	Oval Head ood or Mac	Round Head h.	Binding Head Mach,	Fillister Head Mach.	Part Name Solid Bits	Bit Dia. (A) Finder Dia. (C) In.	Cat. No. & Assy. Lgth. (B)	Blade (D) Thickness In.
4	4	6	4	8	Bit Finder	.193 .297	R306	.032
6	6	8	6	10	Bit Finder	.241 .313	R308	.036
8	8	10	8	12	Bit Finder	.303 .375	R3010	.040
10	10	12	10	1/4"	Bit Finder	.350 .438	R3012	.045

#### 1/4" HEX SHANK BITS-FOR RECESSED HEAD SCREWS

For adjustable, positive clutch, and direct drive screwdrivers

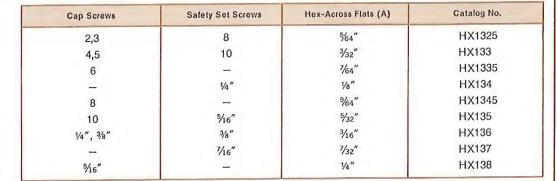


For Phillips Head Screws

For Posidriv Head Screws

For Reed and Prince Head Screws

Screw Sizes and Types						C	at. No. and	Dim.
Round	Flat or Oval	Binding Machine	Fillister Machine	Truss	Pan	Point Size	115/16"	31/2"
2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4, 5	2, 3, 4	No. 1	XP161	XP281
5, 6, 7, 8, 9, 10	5, 6, 7, 8, 9, 10	5, 6, 7, 8, 10	5, 6, 8, 10	6, 8, 10	5, 6, 7, 8, 10	No. 2	XP162	XP282
12 to 5/16"	12 to ¼"	12 to 1/4"	12 to 5/16"	12 to 1/4"	12 to 1/4"	No. 3	XP163	XP283
2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4, 5	2, 3, 4	No. 1	XPZ161	-
5, 6, 7, 8, 9, 10	5, 6, 7, 8, 9, 10	5, 6, 7, 8, 10	5, 6, 8, 10	6, 8, 10	5, 6, 7, 8, 10	No. 2	XPZ162	-
12 to 5/16"	12 to 1/4"	12 to ¼"	12 to 5/16"	12 to 1/4"	12 to 1/4"	No. 3	XPZ163	-
2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4, 5	2, 3, 4	No. 1	XRP161	XRP281





#### SOCKET DRIVERS-FOR NUT RUNNING



Catalog No.	Hex Drive	Sq. Drive	Length
J7102	44.11	4/ //	2"
J7104	1/4"	1/4"	6"
J7107	1/4"	3/8"	6"

#### **HEXAGON SOCKETS**

Specially hardened for use with hardened bolts and screws. ½" hex shank. 1¾" overall length.

Part	Socket	Outside
No.	Size	Dia,
17231	1/4"	7/16"
17235	3/8"	<sup>9</sup> /16"
17236	7/16"	<sup>21</sup> /32"

NOTE: For Power Sockets, see Proto Catalog.

electric tools

**IMPACT WRENCHES** 

# Model SP666 ½" Square Drive Professional Duty Impact Wrench

- 95 to 130 foot pounds torque
- ½" bolt capacity
- Shatter resistant back cap and handle
- Full power reverse incorporated in back cap
- Heat treated steel gears for longer life
- Ball and sleeve bearings for extended life
- Aluminum housing for rugged, lightweight operation
- Double insulated for safety—no grounding required

Specifications: 2000 Impacts Per Minute 1900 RPM 4.0 Amps 115-125 Volts (AC Only) 25/60 Hz. Net Wt: 6¾ Lbs. UL Listed, CSA Approved

#### Model SP668 1/2" Square Drive Heavy Duty Impact Wrench

- 95 to 130 foot pounds torque
- ½" bolt capacity
- Shatter resistant handle
- Full power reverse incorporated in aluminum back cap
- Heat treated steel gears for longer life
- Protective vinyl boot over front-end housing
- Ball bearings for longer life
- Aluminum housing—improves tool balance and reduces operator fatigue
- Double insulated for safety—no grounding required

Specifications: 2000 Impacts Per Minute 1900 RPM 4.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 7 Lbs. UL Listed, CSA Approved



Model SP1666 ½″ Square Drive Heavy Duty Impact Wrench Kit

SP668

#### Kit Includes:

- Model SP666 ½" Impact Wrench
- Six Sockets: ½", 9/16", 5%", 11/16", 3/4" and 13/16" diam.

MILLERS FALLS

**SP666** 

Durable steel carrying case

Specifications: 2000 Impacts per Minute 1900 RPM 4.0 Amps 115-125 Volts (AC Only) 25/60 Hz. UL Listed, CSA Approved

24



#### Model SP6601 7/16" Quick Change Chuck Heavy Duty Impact Wrench

- Ideal for drilling, taping, driving and removing screws, nuts and bolts
- 7/16" Hex Recess Quick Change Chuck built-in for positive tool retention and quick tool change
- Shatter resistant back cap and handle
- All other features and specifications same as Model SP668



3/4" Square Drive **Heavy Duty Impact Wrench** 

- Lightweight die cast aluminum housing for reduced operator fatigue and balanced for easy handling
- Full power reversing switch incorporated in back cap
- 175 to 250 foot pounds of Torque
- Heat treated steel gears for longer life
- ¾" bolt capacity

Specifications: 1725 Impacts Per Minute, 1700 RPM 6.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 10 Lbs. UL Listed, CSA Approved

### **IMPACT WRENCH ACCESSORIES**



Model 5558 Keyless Drill Chuck. 1/2" square drive. Capacity: 3/16" to 1/2".



Model 5552 Quick Change Chuck, Allows quick and easy tool changes square drive. 7/16" hex recess.

with positive tool retention, 1/2"

Model 6665 Steel Carrying Case, Features heavy gauge steel construction. For use with Models SP666, SP668 and SP6601 Impact wrenches.



# (1) Millers Falls electric tools CIRCULAR SAWS

#### Model SP826

#### Heavy Duty 61/2 Inch Circular Saw

Heat treated steel gears for longer life

Full ball and needle bearings for extended, trouble-free service

Exclusive see-through telescoping guard—protects operator while keeping blade and cutting line in sight

Sawdust chute directs sawdust away from work and operator Includes 6½" chisel-tooth combination blade and blade

changing wrench

• Double insulated for extra safety—no grounding required Specifications: 5500 RPM 10.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 12½ Lbs. UL Listed, CSA Approved Capacity: 2" at 90°-1½6" at 45°

#### Model SP827 Heavy Duty 71/4 Inch Circular Saw

Same as Model SP826 except:

Includes 71/4" chisel-tooth combination blade and blade changing wrench

Specifications: 5500 RPM 12.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 131/4 Lbs. UL Listed, CSA Approved Capacity: 23/6" at 90°-2" at 45°

#### Model SP828 Heavy Duty 81/4 Inch Circular Saw

Same as Model SP826 except:
Includes 8¼" chisel-tooth combination blade and blade changing wrench

Specifications: 5500 RPM 13.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 13% Lbs. UL Listed, CSA Approved Capacity: 2%" at 90°-23/2" at 45°

#### Model SP877 Heavy Duty 71/4 Inch Circular Saw with Wrap **Around Shoe**

Aluminum wrap-around shoe for additional stability and safety

Micro-Guide provides same guide line for cuts for any angle or depth Heat treated steel gears for longer life

Full ball and needle bearings

Exclusive see-through telescoping guard protects operator while keeping blade and cutting line in sight Sawdust chute directs sawdust away from work and operator

Includes 71/4" chisel-tooth combination blade and blade changing wrench Specifications; 5500 RPM 12.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt; 131/4 Lbs. UL Listed, CSA Approved Capacity; 23/6" at 90°-2" at 45°

#### Model SP6075 Professional Duty 71/4 Inch Circular Saw with Wrap **Around Shoe**

Heat treated steel gears for longer life
Full ball and needle bearings for extended trouble-free service
Sawdust chute keeps dust away from cutting line and operator
Heavy duty wrap around steel shoe provides

additional stability and safety
High velocity cooling system—keeps motor cool through hours of use
Includes 7¼" chisel-tooth combination blade and

combination rip guide/blade changing wrench
Double insulated for safety—no grounding required
Specifications: 5000 RPM 10.0 Amps 115-125 Volts AC/DC
25/60 Hz. Net Wt: 9½ Lbs. UL Listed, CSA Approved
Capacity: 2¾ at 90°—1¾6″ at 45°



SP826



MILLERS FALLS

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#### CIRCULAR SAW ACCESSORIES



Wrap Around Shoe, Heavy rolled aluminum shoe provides extra safety and support. For use with Models SP826, SP827 and SP828 circular saws.

RIp Gulde, For accurate ripping to uniform lengths. Fits all Millers Falls circular saws.

Carrying Case, Heavy steel construction. For use with all Millers Falls circular saws.

Lubricant. Special gear grease engineered to give top performance on drills, circular and reciprocating saws.



8675



#### CIRCULAR SAW BLADES

All blades (except 7775) have 1/2" arbor hole with knock-out bushing for use on 5/8" diameter saw arbor. Chrome steel.

Chisel Tooth Combination Blades, Used for fast rip and cross cutting. Carded.









7006C

6-01

cut-off \_\_\_\_



7659C



7649C



7-02

Hollow Ground (Planer) Blades, Used to produce a finer finish and minimize planing and sanding. Carded.

Fine Tooth Flooring Blades. For use on hardwood, flooring, crates, etc., and any jobs where nails may be encountered. Carded.

Plywood Blades, Fine teeth to produce a smooth cut and prevent splintering. For use on plywood, masonite, laminates and wall board, Carded.

Carbide Tipped Blades, Use for cutting tough materials, such as: roofing, formica, composition, and siding. Stays sharper longer. Carded.

Metal Cutting Blade, Used for cutting light gauge metal, corrugated or galvanized sheets, etc. Carded.

Ferrous Cut-Off Wheels, Used for cutting ferrous metals and hardened non-ferrous metals such as aluminum, bronze, etc.

Masonry/Non-Ferrous Cut-Off Wheels. Used for cutting stone, brick, concrete, cinder block, and other masonite and concrete materials, Carded.

Cat. No.	Specifications
8777	For use with models SP826, SP827 and SP828
7478	Graduated in 16ths.
8675	11 lbs.
19316	8 oz. tube
6102C 6252C 7650C 7002C 7725C 7825C 7110C 7775	6" diam. 61/4" diam. 61/2" diam. 7" diam. 71/4" diam. 81/4" diam. 10" diam. 71/4" diam. 71/4" diam., 5%" arbor hole—Sold only in box quantities of 100 units.
6104C 7654C 7004C 7726C 7826C	6" diam. 6½" diam. 7" diam. 7¼" diam. 8¼" diam.
6108C 7658C 7008C 7727C 7828C	6" diam. 6½" diam. 7" diam. 7¼" diam. 8¼" diam.
7659C 7728C 7829C	6¼″ diam. 7″ diam. 8″ diam.
7006C 7124C	7″ diam. 7¼″ diam.
7649C	6¼″ diam.
6-01 7-01 8-01	6″ diam. 7″ diam. 8″ diam.
6-02 7-02 8-02	6″ diam. 7″ diam. 8″ diam.

Specifications

# electric tools

SUPER SAWS

#### Model SP550 **Heavy Duty Super Saw**

Only three moving parts for smoother performance Ball and needle bearings assure extended

trouble-free service Heat treated steel gears for longer life

Angle blade design increases blade life and speeds cutting

Rocker shoe for easy entry cuts

Lightweight aluminum housing to minimize operator fatigue

Shatter resistant handle

Furnished with vinyl boot for comfortable grip and front end protection.

Double insulated for safety—no grounding required

Includes popular blade assortment

Specifications: 2500 Strokes/Minute %" stroke 5.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wgt: 7 Lbs. UL Listed, CSA Approved

SP550K



#### Kit Includes:

- Model SP550 Super
- Blade assortment Blade wrench
- Lubricant
- No. 9379 steel carrying case



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#### Model SP9551 Heavy Duty Two-Speed Super Saw Klt

- Model SP9550 Two-Speed Super Saw
- Blade Assortment
- Blade Wrench
- Lubricant
- No. 9379 Steel Carrying Case

#### Model SP9550 Heavy Duty Two-Speed Super Saw

- Two-speed operation provides low speed for cutting hard materials including metal, formica and tile and for maximizing blade life; high speed for rapid sawing of woods and composition materials
- Exclusive durable two-speed switch design provides longer service
- Ball and needle bearings assures extended, trouble-free performance
- Heat treated steel gears for longer life
- Only three moving parts for smoother performance
- Angle blade design increases blade life and speeds cutting
- Rocker shoe for easy entry cuts
- Lightweight aluminum housing to minimize operator fatigue
- Shatter resistant handle
- Furnished with vinyl boot for a comfortable grip and front end protection
- Double insulated for safety-no grounding required
- Includes popular blade assortment

Specifications: Low Speed —1500 Strokes/Minute High Speed —2500 Strokes/Minute %" Stroke 3.3 Amps (Low Speed) 4.4 Amps (High Speed) 115-125 Volts AC/DC 25/60 Hz. Net Wgt: 7 Lbs. UL Listed, CSA Approved



# Millers Falls

# electric tools

### SUPER SAW ACCESSORIES



Model 9379 Steel Carrying Case

Heavy gauge steel case for use with Models SP550 and SP9550 Super Saws.



#### Model 5055 Flush Cut Attachment

Used to cut flush against walls and other obstructions. Adapts for right or left hand cuts.

Attaches quickly to Models SP550 and SP9550 Super Saws.

### MILLERS FALLS SUPER SAW BLADES

Will fit all popular make reciprocating type saws (All blades packed in plastic sleeves, 5 sleeves per box)

METAL CUTTING BLADES	Cat. No.	Teeth per Inch	Blade Length	Recommended for	Blades per Sleev
STANDARD DUTY METAL CUTTING (Blu-Flex). For soft metals: copper, aluminum, brass, BX cable, conduit, tubing, soft steel, etc.	M-1824 M-2424 M-3224	18 24 32	4" 4" 4"	.045 (18 ga.) and heavier .045 (18 ga.) and lighter .030 (24 ga.) and lighter	10
HEAVY DUTY METAL CUTTING (Blu-Mol). For hard metals: stainless steel, alloy steel, cast iron pipe, steel pipe, etc.	M-1443 M-1843 M-2443 M-1444 M-1844 M-2444 M-3244 M-1446 M-1846 M-2446	14 18 24 14 18 24 32 14 18 24	3" 3" 3" 4" 4" 4" 6" 6"	%" and heavier .045 (18 ga.) and heavier .045 (18 ga.) and lighter %" and heavier .045 (18 ga.) and heavier .045 (18 ga.) and lighter .030 (24 ga.) and lighter %" and heavier .045 (18 ga.) and lighter .045 (18 ga.) and heavier .045 (18 ga.) and lighter	5
EXTRA HEAVY DUTY (Blu-Mol). For extra heavy or production cutting of hard metals: stainless steel, steel pipe, alloys, cast Iron, etc	M-1056 M-1456 M-1856 M-2456	10 14 18 24	6" 6" 6" 6"	¼" and heavier ¼" and heavier .045 (18 ga.) and heavier .045 (18 ga.) and lighter	2
CONTOUR CUTTING-HEAVY DUTY (Blu-Mol). For hard metals: stainless steel, alloy steel, cast iron pipe, steel pipe, etc.	C-1443 C-1843 C-2443 C-3243	14 18 24 32	3" 3" 3" 3"	1/6" and heavier .045 (18 ga.) and heavier .045 (18 ga.) and lighter .030 (24 ga.) and lighter	10
CONTOUR CUTTING-EXTRA HEAVY DUTY (Blu-Mol). For production contour cutting of hard metals: stainless steel, alloy steel, cast iron pipe, steel pipe, etc.	C-1054 C-1854	10 18	4" 4"	¼" and heavier .045 (18 ga.) and heavier	5
WOOD CUTTING BLADES  GENERAL PURPOSE (Tuf-Flex) For general rough cutting in plaster and nail-embedded wood.	G-6033 G-1033 G-6034 G-1034 G-4036 G-6036 G-1036	6 10 6 10 4 6	3" 3" 4" 4" 6" 6"	Wood and plaster Nail embedded wood Wood and plaster Nail embedded wood All types of wood Wood and plaster Nail embedded wood	10
PLASTER CUTTING. For plaster and wallboard.	G-1034 G-1036 G-6034 G-6036	10 10 6 6	4" 6" 4" 6"	Nail embedded plaster Nail embedded plaster Plaster and wood Plaster and wood	10
COMPOSITION CUTTING. For composition, asbestos, transite, masonite, etc.	F-6056 M-1056 C-1054	6 10 10	6" 6" 4"	Long wear and smooth cutting Nail embedded material Naıl embedded material	5 2 5
WOOD-Pruning. For pruning trees or rough cutting any wood.	G-4036	4	6"	General purpose pruning	10
WOOD-Roughing. For fast rough cutting in nail free woods.	K-6056 K-6052	6 6	6" 12"	General purpose roughing General purpose roughing	5
WOOD-Roughing, contour cutting. For rough cutting, irregular contours in wood or fiberboard.	F-6056	6	6"	General purpose contour work	5

Model 561

# (I) Millers Falls

### electric tools

### SABRE SAWS



- Dual plunger bearing system proven for longer trouble-free service
- Full ball and needle bearings
- Shoe tilts up to 45° in either direction
- Reversing shoe for flush cutting to within 3/4" of wall
- Blade can be rotated 90° allowing parallel cuts to within 3/4" of wall
- Angle blade design for faster cutting
- Automatic air blast to clear sawdust from cutting line
- Heavy duty 3-conductor cord for safety
- Includes one wood cutting blade and hex wrench built into knob handle

Specifications: 3000 Strokes/Minute ½" Stroke Length 2.5 Amps 115-125 Volts AC Only 25/60 Hz. Net Wt: 3¼ Lbs. UL Listed, CSA Approved

#### Model SP6262 Professional Duty 2-Speed Sabre Saw

- Rated for heavy duty use
- 2-Speed Operation—low speed for increased blade life in cutting most hard materials—high speed for fast sawing of woods and composition materials
- Dual plunger bearing system for longer trouble-free service Shoe tilts up to 45° in either
- direction for accurate beveling
- Reversing shoe for flush cutting
- Blade can be rotated 90° allowing parallel cuts
- Patented angle blade design for faster cutting
- Full ball and needle bearings for extended trouble-free service

( Millers Falls

SP6262

- Heat treated steel gears for longer life
- Shoe designed for use with Circular & Rip Guide, No. 7060
- Double insulated for safety—no grounding required Includes one wood cutting blade and hex wrench

Specifications: Strokes/Minute - Low-2300 - High-3000 2.1 Amps 115-125 Volts AC Only 25/60 Hz. Net Wt.: 334 Lbs. UL Listed, **CSA Approved** 

#### Model SP6060 Professional Duty Sabre Saw

Same as Model SP6262 except: single speed 3000 strokes/minute.

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#### Model SP2060 Professional Duty Sabre Saw

Same as Model SP6262 except: single speed 3200 strokes/minute 2.5 amps.

#### No. 7060

Held the state of Circular and Rip Guide For use with Models SP6060 and SP6262 Sabre Saws. Graduated and plated.



No. 9480C **Deluxe Sabre Saw** Blade Set Includes one each numbers 9450, 9451, 9454, 9455, 9460, 9462, 9463 and 9466 blades. See blade selection chart for description of each blade, Carded.



No. 9482C Sabre Saw **Blade Set** 

Includes one each numbers 9450, 9451, 9463 and 9466 blades. See blade selection chart for description of each blade. Carded.

#### SABRE SAW ACCESSORIES





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### SABRE SAW BLADE SELECTOR CHART

En I	Cat. No.	Length	Teeth/ Inch	Use	Per Card
	9450C	3″	6	For Fast Cutting in wood, plywood, plasterboard	2
n P	9451C	3″	10	For fast Cutting in thin woods, finish plywood	2
WOOD CUTTING BLADES	9452C*	3″	6	For Fast Cutting in wood, plywood,	2
Wood Roughing Blades ¾6" x. 032 Gauge—Tempered, Filed and Set	9553C*	3"	10	plasterboard For Fast Cutting in thin woods, finish plywood	2
Wood Finish Contour Blades—¼" x .050 Gauge Milled, Ground and Heat Treated High Speed Steel	9454C 9455C 9456C	3* 3" 3"	6 10 14	For Fast Scroll Cutting For Finish Scroll Cutting For Fine Finish Cutting	1 1
Heavy Duty Wood Finish Cutting Biades—36" x .050 Gauge Milled, Ground and Heat Treated High Speed Steel	9457C 9458C 9459C	4" 4" 4"	6 10 14	For Fine Finish Contour Cutting For Heavy-Duty Smooth Cutting For Heavy-Duty Fine Finish Contour Cutting	1 1
Wood Taper Ground Culting Blades-%6" x .040 Gauge Tapered for Blade Relief, Angle Filed	9460C 9461C	3″ 3″	6 10	For Fast Rough Contour Cutting in wood For Fast Rough Contour Cutting in wood	1
METAL CUTTING BLADES  Standard Duty - 1/4" x .032 Gauge Milled, Ground, Hardened High Speed Steel Set Teeth For Hard and Soft Metals: copper, aluminum, brass, bx cable, conduit, tubing, stainless steel, cast iron pipe, etc.	9462C 9463C* 9464C 9465C 9466C	3" 3" 3" 3" 3"	10 14 18 24 32	14" and Heavier Metals 15" and Heavier Metals 1045 (18 Ga.) and Heavier Metals 1045 (18 Ga.) and Lighter Metals 1030 (24 Ga.) and Lighter Metals	1 1 1 1 1
Heavy Duty—№6" x .042 Gauge Milled, Ground, Hardened High Speed Steel Set Teeth For Heavy and Continuous Production Cutting of Hard Metals: stainless steel, steel pipe, alloys, cast iron, etc.	9467C 9468C 9469C 9470C	4" 4" 4" 4"	10 14 18 24	¼" and Heavier Hard Metals %" and Heavier Hard Metals .045 (18 Ga.) and Heavier Hard Metals .045 (18 Ga.) and Heavier Hard Metals	1 1 1 1

\*Angle Shank Blades have patented design for use with Millers Falls 6 degree angle shoe for faster cutting—All other blades fit other popular make sabre saws.



# **Millers Falls**

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### ORBITAL SANDER

#### Model SP6080 **Professional Duty Orbital Sander**

Ultra-fast 10,000 orbits per minute for extra smooth swirl-free finish

Ball and needle bearings for extended, trouble-free service

Neoprene pad for wet or dry sanding

Scientifically balanced counter-weight for smooth orbital action

Oversized posts for superior alignment and vertical support of

"T" handle for better control—adjusts to three positions

Double insulated for safety—no grounding required
 Includes one (120 Grit) 3%" x 9" abrasive sheet
 Specifications: 10,000 RPM 2.2 Amps 115-125 Volts AC/DC 25/60 Hz.
 Net Weight: 3½ Lbs. UL Listed, CSA Approved



Fast working, long lasting 3%" x 9" sheets. 6 sheets per display package. 10 packages per box.

Cat. No.	Size	Coat
9850C	Fine-150 Grit	Open Coat
9810C	Medium-100 Grit	Open Coat
9860C	Coarse-60 Grit	Open Coat



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830



#### Model 830 Heavy Duty 3" Belt Sander

Ball, needle and sleeve bearing construction

Powerful motor for the heaviest of sanding jobs

Non-slip timing belt drive Positive finger-tip tracking control

Quick, lever action belt changer for fast and easy belt changing

Heavy duty striking plate

Light, compact frame for less operator fatigue

Contour grip handle and perfect balance afford safe and sure operation in any position

• Ideal for flat surfaces, horizontal, vertical or overhead operation • Includes one 3" x 21" abrasive belt (120 Grit) Specifications: 1300 Surface Ft./Minute 6.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wgt: 1114 Lbs. UL Listed, CSA Approved



#### Heavy Duty 4" Belt Sander

Same outstanding features as Model 830 with the following additions:

Sands flush up to base board

Includes one 4" x 21" abrasive belt (120 Grit)

Specifications: 1350 Surface Ft./Minute 7.5 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wgt: 131/4 Lbs. UL Listed, CSA Approved



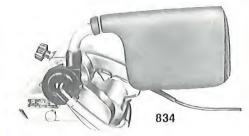
#### **BELT SANDER ACCESSORIES**

3" x 21" Abrasive Belts. For Model 830 Belt Sander. Packed ten per box.

Cat. No.	Grit	Coat
8300-02 8300-03 8300-04 8300-05 8300-06 8300-07 8300-08 8310	36 Coarse 40 Coarse 50 Coarse 60 Medium 80 Medium 100 Fine 120 Fine 10 Asst. Grits (120-80-50)	Open Coat Open Coat Open Coat Open Coat Closed Coat Closed Coat Closed Coat

4" x 21" Abrasive Belts. For Model 840 Belt Sander. Packed ten per box.

Cat. No.	Grit	Coat
8400-02 8400-03 8400-04 8400-05 8400-06 8400-07 8400-08 8410	36 Coarse 40 Coarse 50 Coarse 60 Medium 80 Medium 100 Fine 120 Fine 10 Asst. Grits (120-80-50)	Open Coat Open Coat Open Coat Open Coat Closed Coat Closed Coat Closed Coat



**Dust Collector Attachments. For** Models 830 and 840 Belt Sanders. Absorbs over 95% of dust. Prevents clogging and prolongs belt life. Attach or detach quickly, zipper for fast dust removal.

No. 834-For Model 830 Belt Sander No. 844-For Model 840 Belt Sander

# electric tools

### **DISC SANDERS/GRINDERS AND POLISHERS**

#### Model GSP712 Heavy Duty 7" Vertical Sander

Compact, close coupled vertical design

Ball and needle bearings throughout for extended trouble-free performance

Shatter resistant handle and back cap

Quick release trigger lock button for continuous jobs

Vinyl cushion rest pad Two-position side handle for easy handling

• Includes 7" sanding disc • Includes 7" sanding disc • Specifications: 5000 RPM 7.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Weight: 7% Lbs. UL Listed, CSA Approved

#### Model GSP715

#### Professional Duty 7" Angle Sander/Grinder

For maximum stock removal on all types of sanding/grinding jobs

Heat treated steel gears for longer life Ball bearing construction for extended service

Shatter resistant handle

Vinyl cushion rest pad
Two-position side handle for easy handling

Quick release trigger lock button for continuous jobs Includes 7" sanding disc

NOTE: For grinding applications, use No. 7750 Wheel Guard Specifications: 5000 RPM 7.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wgt: 91/4 Lbs. UL Listed, CSA Approved

#### Model SP710

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#### Heavy Duty 7" Angle Polisher

Versatile heavy duty polisher for automotive and other heavy duty polishing jobs Ideal for use with high luster, liquid polishes

Ball bearing construction for extended service Extra long 25-ft. heavy duty cord Heat treated steel gears for longer life

Vinyl cushion rest pad Quick release trigger lock button for continuous jobs

Two-position side handle for easy handling Double insulated for safety—no grounding required

Includes 7" rubber pad and wool polishing bonnet Specifications: 2600 RPM 7.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Weight: 9½ Lbs. UL Listed, CSA Approved

#### Heavy Duty 7" Angle Sander/Grinder

Built for continuous heavy duty production jobs.

Excellent for maintenance, weld shop, foundry, and other heavy duty applications

Handles abrasive discs, cup grinding wheels and wire cup brushes All ball bearing construction for extended, trouble-free service

Heat treated steel gears for longer life Heavy duty 3-conductor cord for safety

Quick release trigger lock button for continuous jobs

Side handle for sure control and easy handling

Includes 7" rubber pad

NOTE: For grinding applications use No. 7750 Wheel Guard Specifications: 5000 RPM 12.0 Amps

115-125 Volts AC/DC 25/60 Hz. Net Wgt: 14% Lbs. UL Listed, CSA Approved

Model 900-11 Heavy Duty 7" Angle Sander/Grinder

Same outstanding features as Model 775 Specifications: Same as Model 775 except: 6000 RPM

Model 990 Heavy Duty 9" Angle Sander/Grinder

Same outstanding features as Model 775 except equipped with 9" Rubber Pad

Specifications: Same as Model 775

**GSP715** 

# (1) Millers Falls electric tools SANDER/GRINDER & POLISHER ACCESSORIES



Lamb's Wool Pollshing Bonnet, For use with Model SP710 Polisher.

Wool Buffing Pad. For use with Model SP710 Polisher.

Sanding Discs. 7" diam. with %" arbor hole. Closed coat. Packed 25 per box.

7" Wheel Guard. For depressed center wheels for use with Models GSP715, 775, 900-11 and 990.

9" Wheel Guard, For depressed center wheels for use with Models 775, GSP715, 900-11 and 990.

Heavy Duty Co-Ro-Lite Pads. Provides firm backing for sanding discs. For use with Models GSP712, GSP715, 775, 900-11 and 990.

Rubber Pad, Flexible rubber pad follows contours of sanding surface. For use with Models GSP712, GSP715, 775, 900-11 and 990.

Cat. No.	Specifications
275	7½" diam.
8090	7½" diam.
7024 7036 7050	24 grit, 7" diam. 36 grit, 7" diam. 50 grit, 7" diam.
7750	7" diam.
9900	9" diam.
30334 30335	7″ diam. 9″ diam.
30297	7" diam.
	<b>)</b>





Model SP731 **Heavy Duty 5" Horizontal Grinder** 

Excellent for snagging castings, smoothing welds, general metal fabricating work and other metal removal applications

For grinding wheels and wire brushes up to 5" diameter

30297

All ball bearing construction for extended trouble-free service

Heat treated steel gears for longer life

Heavy duty cord

30334

Firm front hand grip with vinyl boot

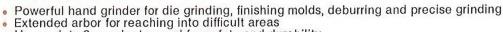
Vinyl cushion rest pad

Shatter resistant handle

Quick release trigger lock button for continuous jobs Double insulated for safety—no grounding required

Includes 5" diameter grinding wheel
Specifications: 4500 RPM 6.0 Amps 115-125 Volts AC/DC 25/60 Hz.
Net Wgt: 10% Lbs. UL Listed, CSA Approved

#### Model 320 Heavy Duty High Speed Die Grinder



Heavy duty 3-conductor cord for safety and durability

Heavy duty 3-conductor cord for safety and durability
Heat treated steel gears for longer life.
Chuck capacity: 1/8" and 1/4"
Includes one 3/8" grinding wheel, one each 1/8" and 1/4" collets and two chuck wrenches
Specifications: 30,000 RPM 2.5 Amps 115-125 Volts AC Only 25/60 Hz.
Net Weight: 23/4 Lbs. UL Listed, CSA Approved

DIE GRINDER

320

**SP731** 



# electric tools

### BENCH GRINDERS

#### Models 9504 & 9504-01

#### Professional Duty 6 Inch Bench Grinders

Dynamically balanced shafts for vibration free operation

Adjustable tool rests for angle grinding

Rugged ¼ HP motor 6" diam, x ½" bore x ½" wide wheels

Specifications for 9504: ¼ HP 3450 RPM Single Phase 60 Hz. 115V AC Only Overall Length: 11½6 Overall Height: 7⅓2 Base Size: 4¾" x 5¾" Overall Width: 7¼" UL Listed, CSA Approved

Specifications for 9504-01; Same as Model 9504 except: 50/60 Hz. 230 Volt 3450 RPM (60 Hz.) 2850 RPM (50 Hz.) Overall Length 1211/6"

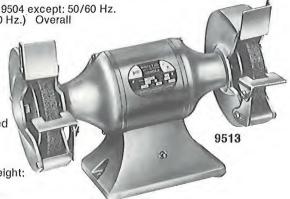


Balanced shafts for vibration free operation

Adjustable tool rests for angle grinding Double shielded ball bearings and totally enclosed motors for protection against abrasive dust 6" diam. x  $\frac{1}{2}$ " bore x  $\frac{3}{4}$ " wide wheels

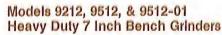
Specifications for 9513; 1/3 HP 3450 RPM Single Phase 60 Hz. 115V AC Only Overall Length: 151/4" Overall Height: 9" Base Size: 71/4" x 61/2" UL Listed, CSA Approved

Specifications for 9514; Same as Model 9513 except: 1/4 HP



1691

9504



Built for continuous heavy duty use in foundries, metal fabricating shops and tool rooms

3" exhaust ports integral with wheel guards Balanced shafts for vibration free operation

Adjustable tool rests for angle grinding

Double shielded ball bearings and totally enclosed motors for protection against abrasive dust

Heavy Duty ½ HP motor to handle the toughest jobs 7" diam, x %" bore x 1" wide wheels

Specifications for 9212: ½ HP 3450 RPM Single Phase 60 Hz. 115/230V (connected for 115V) AC only Overall Length: 20%" Overall Height: 11" Base Size: 7¾" x 9".

Specifications for 9512: Same as Model 9212 except: Overall Length: 19" Overall Helght: 9" Overall Width: 11½" Base Size: 7" x 8"115V. only Specifications for 9512-01: ½ HP 3450 RPM (60 Hz.) 2850 RPM (50 Hz.) Single Phase 50/60 Hz. 115/230V (connected for 230V) AC only Overall Length: 20" Overall Height: 9" Base Size: 7" x 8" UL Listed, **CSA Approved** 



#### Model 9534 & 9510

#### Heavy Duty 8 & 10 Inch Bench Grinders

Built for continuous heavy duty use in foundries, metal fabricating shops and tool rooms

3" exhaust ports integral with wheel guards

Double shielded ball bearings and totally enclosed motor for protection against abrasive dust

Dynamically balanced shafts for vibration free operation Adjustable tool rests for angle grinding

8" diam. (Model 9534) or 10" diam. (Model 9510) wheel for large, heavy duty grinding

Specifications for 9534; ¾ HP 3450 RPM Single Phase 60 Hz. 115/230V (connected for 115V) AC only Overall Length: 21¾" Overall Height: 11¼6" Overall Width: 13¾" Base Size: 8½" x 8½" UL Listed, CSA Approved Specifications for 9510: 1 HP 1725 RPM Single Phase 60 Hz. 115/230V (connected for 115V) AC only Overall Length: 23½" Overall Height: 12½6" Overall Width: 15½" Base Size: 8½" x 8½"

BENCH GRINDER **ACCESSORIES** 

9534

No. 9622 Eye Shields, Shatter-proof glass for extra safety. Fits all Millers Falls Bench Grinders. One pair.

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### electric tools

### ROUTERS

#### **Model 6800** Professional Duty 1/3 HP Router

- Compact, lightweight design—ideal for home workshop, job site Aluminum base and motor housing provides lightweight yet durable operation
- Ball bearing construction for extended, trouble-free performance
- Two extra large knob handles for safer operation

Non-marring sub-base prevents scratching work surface
 Equipped with ¼" collet chuck for ¼" shank bits
 Two bit changing wrenches included
 Specifications: 30,000 RPM 3.0 Amps 115-125 Volts AC Only 25/60 Hz.
 Net Weight: 3% Lbs. UL Listed, CSA Approved



6800



Designed and built for the professional and tradesman

- Two convenient T-handles for sure control on horizontal and vertical applications Non-marring sub-base prevents scratching work surface
- All ball bearing construction for extended trouble-free performance
- Push button spindle lock permits safe, easy bit changes
- Heavy duty aluminum base and motor housing provides

Heavy duty auminum base and motor nousing provides lightweight yet durable operation
Easy reading depth adjustments in 64ths
Equipped with ¼" collet chuck for ¼" shank bits
Includes two bit changing wrenches
Specifications: 22,000 RPM 6.0 Amps 115-125 Volts AC Only 25/60 Hz. Net Weight: 7½ Lbs. UL Listed, CSA Approved



Same outstanding features as Model 7200 with addition of:

Extra powerful 11/4 HP motor to handle the toughest jobs

Equipped with three collet chucks for ¼", ¾" and ½" shank bits
 Specifications: 24,000 RPM 9.0 Amps `115-125 Volts AC Only
 25/60 Hz. Net Weight: 7½ Lbs. UL Listed, CSA Approved



7200

#### Heavy Duty % HP Router

- Designed and built for the professional and tradesman Pistol grip switch and T-handle for better control
- All ball bearing construction for extended trouble-free performance
- Non-marring sub-base prevents scratching work surface
- Easy reading depth adjustments in 64ths
- Push-button spindle lock permits easy, safe bit change Heavy duty aluminum base and motor housing Switch handle can be rotated for convenient handling

- Equipped with 1/4" collet chuck for 1/4" shank bits

Supplied with two bit changing wrenches

Specifications: 22,000 RPM 6.0 Amps 115-125 Volts AC/DC

25/60 Hz. Net Wt: 7% Lbs. UL Listed, CSA Approved

#### Model 7900 Heavy Duty 11/4 HP Router

Same outstanding features as Model 7800 with addition of:
• Extra-powerful 11/4 HP motor

- Equipped with three collet chucks for ¼", ¾" and ½" shank bits Specifications: 24,000 RPM 9.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wt: 8½ Lbs. UL Listed, CSA Approved



7800



#### Model 7888 Heavy Duty % HP Router Kit

Kit Includes:

- Model 7800 Heavy Duty Router complete
- No. 684 Straight and Circular Guide
- No. 685 Non-Marring Phenolic Sub-Base No. 27888-11 Metal Carrying Case

#### Model 7999 Heavy Duty 1¼ HP Router Kit

Same as Model 7888 Router Kit except:

Model 7900 Heavy Duty Router complete

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# Millers Falls

# lectric tools

### LAMINATE TRIMMER

#### **Model 6850 Professional Duty Laminate Trimmer**

- Ideal for home workshop or on the job site
- Equipped with 3-way carbide tip bit for fast, smooth end and side trimming and beveling of all laminates
- Compact and lightweight for minimum operator fatigue Complete with 1/3 HP motor and special laminate trimmer base
- Includes two bit changing wrenches

  Specifications: 1/2 HP 30,000 RPM 3.0 Amps 115-125 Volts AC Only 25/60 Hz.

  Net Weight: 3% Lbs. UL Listed, CSA Approved

### ROUTER ACCESSORIES



1/3 HP Router Power Unit

No. 680

For use with Model 6800 Router and attachments Equipped with 1/4" collet chuck and two bit changing wrenches

Specifications: 1/3 HP 30,000 RPM 3.0 Amps 115-125 Volts AC Only 25/60 Hz.



- For use with Model 7800 Router and attachments
- Equipped with 1/4" collet chuck and two bit changing wrenches

Specifications: 7/4 HP 22,000 RPM 6.0 Amps 115-125 Volts AC/DC 25/60 Hz.



For use with Model 6800 Router

- No. 685 Non-Marring Phenolic Sub-Base
- Two extra large knob handles for positive control

#### No. 790 11/4 HP Router Power Unit



- Equipped with three collet chucks for 1/4", 3/8" and 1/2" shank bits
- Supplied with two bit changing wrenches

Specifications: 11/4 HP 24,000 RPM 9.0 Amps 115-125 Volts AC/DC 25/60 Hz.



#### No. 722 **Router Base**

For use with Models 7200 and 7290 Routers

- No. 685 Non-Marring Phenolic Sub-Base
- Two T-handles for positive control

#### No. 781 **Router Base**

For use with Models 7800 and 7900 Routers

- Pistol grip switch and T-handle for finger-tip control
- No. 685 Non-Marring Phenolic Sub-Base

#### No. 27888-11 **Metal Carrying Case**

For Models 7200, 7800, 7900 and 7290 Routers.

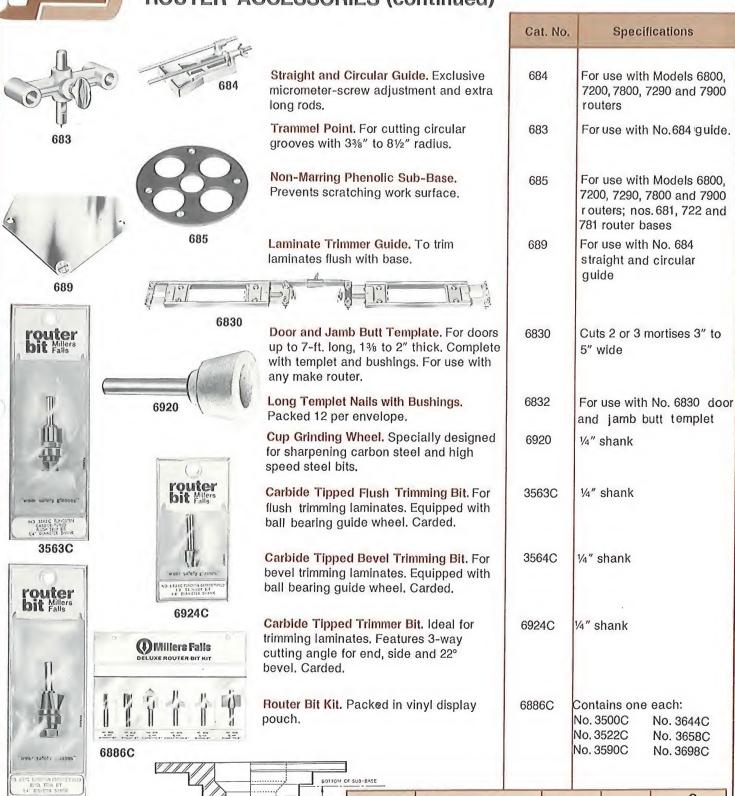


For use with Model 6800 Router or No. 680 Router Power Unit. For fast trimming of postformed laminates.









Templet Guides. For use with

3564C

Models 6800, 7200, 7290, 7800 and 7900 Routers.

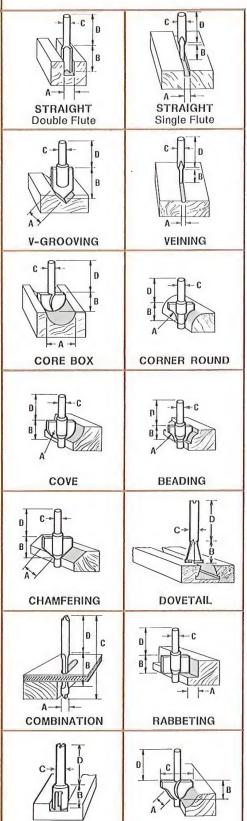


Cat. No.	Description	A I.D.	B O.D.	Length From Base
6814	Gen. Purpose	17/32	5/8	%16
6815	Recess & Insert	1/4	5∕16	11/64
6816	Hinge Butt	17/32	5/8	11/64
6817	Hinge Butt	3/4	29/32	<b>%</b> 16



# electric tools

### HIGH SPEED STEEL ROUTER BITS



ROMAN OGEE

HINGE MORTISING

Precision made Tungsten Carbide tips recommended for laminates and veneers. All bits have ¼ inch shanks unless otherwise specified. All Bits Packed 1 Per Plastic Display Pouch.

	No.	Α	В	С	D	
HIGH SPEED STEEL STRAIGHT BITS Double Flute—For general purpose routing	3500C 3505C 3510C 3514C 3515C 3522C 3529C 3535C 3551C 3553C 3553C 3562C 3557C	V4" V4" 516" V2" 36" V2" 56" 34" V2" V2" V2" V4"	58" 1 1/6" 34" 34" 34" 34" 56" 1 1/6" 1 1/6" 1 1/6"	1/4" 1/4" 1/4" 1/4" 1/4" 1/4" 1/4" 1/4"	1" 1¼" 1" 134" 1" 1" 1" 1" 1" 1" 1" 1" 1½" 1½" 1½" 1½	
	TU	JNGSTEN	CARBID	E TIPPE	D	
	3502C 3508C 3552C 3554C 3555C	1/4" 1/4" 3/8" 1/2" 1/2"	34" 78" 1" 1 14" 2"	1/4" 1/4" 1/2" 1/2" 1/2"	1" 1¼" 1½" 1½" 2"	
HIGH SPEED STEEL STRAIGHT BITS Single Flute—For general purpose routing	3541 C 3545 C	1/8" 3/16"	5/16" 7/16"	1/4" 1/4"	1"	
HIGH SPEED STEEL V-GROOVING BITS For lettering and sign work	3588C 3590C 3591C	3/8" 1/2" 7/8"		1/4" 1/4" 1/4"	1" 1" 1"	(
HIGH SPEED STEEL VEINING BIT For decorative line work	3606C	1/8"	5∕16″	1/4"	1"	
HIGH SPEED STEEL CORE BOX BITS For fluting flat surfaces	3617C 3625C 3632C	1/4" 3/8" 1/2"	1/4" 1/4" 11/ <sub>32</sub> "	1/4" 1/4" 1/4"	1" 1" 1"	
HIGH SPEED STEEL CORNER ROUND BITS For decorative edging and drop leaf table joints	3638C 3644C 3648C	1/4" 3/8" 1/2"	5%" 5%" 3⁄4"	1/4" 1/4" 1/4"	1" 1" 1"	
HIGH SPEED STEEL BEADING BITS For decorative edging	3655C 3658C 3663C	1/8" 1/4" 3/8"	3%" 3%" 5%"	1/4" 1/4" 1/4"	1" 1" 1"	
HIGH SPEED STEEL COVE BITS For decorative edging and drop leaf table joints	3670C 3673C 3676C	1/4" 3/8" 1/2"	3%" %16" 34"	1/4" 1/4" 1/4"	1" 1" 1"	
HIGH SPEED STEEL DOVETAIL BITS Double Flute—For dovetail joints, drawer fronts, etc.	3726C	916"	17/32"	1/4"	1¾32″	
HIGH SPEED STEEL CHAMFERING BIT For decorative edging and concealed joints	3681 C	1/2"	3/4"	1/4"	1"	
HIGH SPEED STEEL COMBINATION PANEL	3686C	1/4"	3/4"	1/4"	25/8"	
BITS For removing plywood laminated over frame openings, drills starting hole	3688C	JNGSTEN 1/4"	CARBID 34"	E TIPPE	D 115/16"	
HIGH SPEED STEEL RABBETING BITS With pilot for offhand rabbeting	3697C 3698C	1/4" 3/8"	7/16" 19/32"	1/4" 1/4"	1" 1"	
	3701 C	INGSTEN	CARBID	E TIPPE	D 1"	
HIGH SPEED STEEL HINGE MORTISING BITS Double Flute—Can be used as a fast-cutting stair tread bit or for making mortises from edge of work	3712C	1/2"	13/32"	1/4"	1 1/8"	(
HIGH SPEED STEEL ROMAN OGEE BITS For decorative edging	3703C 3705C 3710C	5/32" 1/4" 9/32"	1/2" 3/4" 29/32"	1/4" 1/4" 1/4"	1" 1" 1"	

# electric tools

PORTABLE ELECTRIC SHEAR

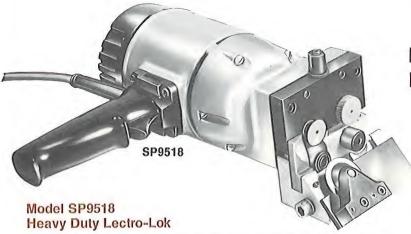
#### Model 16-11 **Heavy Duty Portable Shear**

- High speed shear capable of cutting up to 16 gauge steel non-ferrous 50% greater capacity
   All ball and needle bearings for extended trouble-free
- performance
- Heat treated steel gears for longer life
- Easy adjustment of blade for depth of cut and clearance
- Offset foot keeps cutting blade visible to assure true cutting Compact and lightweight for minimum operator fatigue Heavy duty cord—3-conductor grounded tool Convenient top handle switch

Specifications: 3750 RPM 4.0 Amps 115-125 Volts AC/DC 25/60 Hz. Net Wgt: 8¾ Lbs. UL Listed, CSA Approved Capacity: 16 Gauge Steel; non-ferrous 50% greater

No. 165 Shear Replacement Blade Set For use with Model 16-11 Electric Shears





### **PITTSBURGH LOCK ROLLER**

- Self-propelled unit automatically seams Pittsburgh lock joints quietly and effortlessly at rate of 18 to 30 feet-per-minute
  Smooth, tight perfect seams every time
  Completely portable and easy-to-use
  All ball bearings for extended trouble-free performance
  Heat treated steel gears for longer life

- Heat treated steer geals for longer line
   Heavy duty cord for safety, durability
   Double insulated for safety—no grounding required
   Specifications: 6.5 Amps 115-125 Volts AC/DC 25/60 Hz.
   Net Wgt: 14¾ Lbs. UL Listed, CSA Approved
   Capacity: 18 to 28 gauge metal—Speed: 18 to 30 ft.-per-minute

Intercha Guide Wh SP9518 Le	neels For	Reference Guide To Lok For Machine And Gauges		
Cat. No.	Pocket Size	Gauge	Machine No.	
24465	5/16"	20-28	20,22,24	
24466	3/8"	18-20	18	
24467	1/2"	16-20	16	

#### HERE'S HOW IT WORKS...



Openready to position



Positioned on open seam



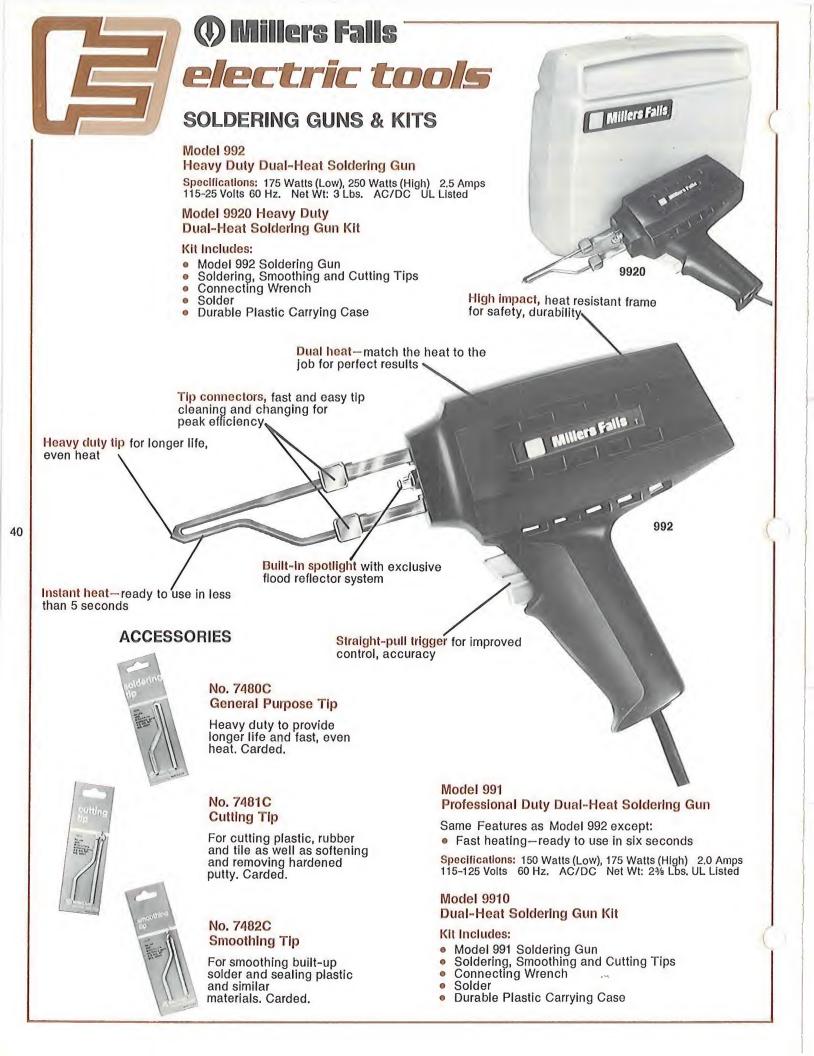
Tilted to engage flange

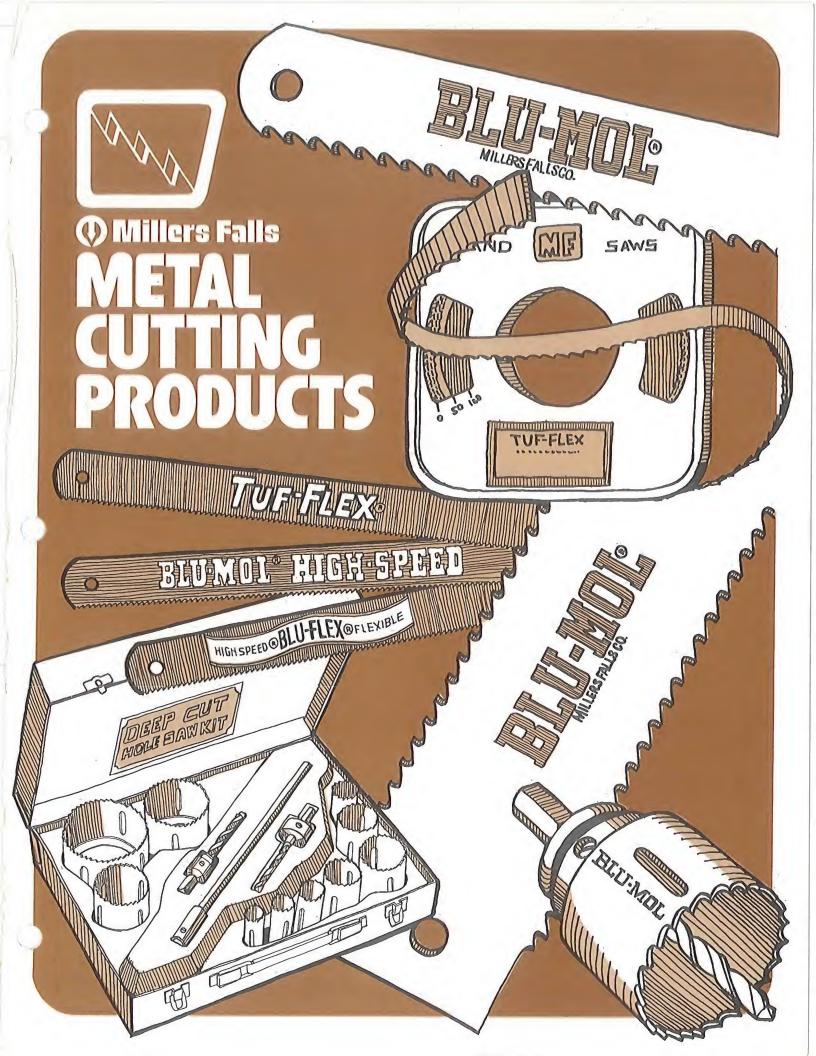


Closed ready to start



Rolling down flange quickly and quietly







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# **Millers Falls**

# metal cutting products

# "BLU-MOL"® HIGH SPEED MOLYBDENUM POWER HACK SAW BLADES

Toughness resists breakage even under severe usage.

Unsurpassed for fast production cutting of tough alloy steels! Heat treated by exclusive Millers Falls process. Made of specially selected high speed molybdenum alloy steel. Extremely hard, long cutting teeth assure low cutting costs.

Packed 10 Per Box. \*30 Per Box.



	Cat. No.	Length Inches	Width Inches	Thickness	Teeth Per Inch
	*1254M	12	5/8	.032	14
	*1258M	12	5/8	.032	18
	2410M	12	1	.050	10
1	2414M	12	1	.050	14
	4410M	14	1	.050	10
	4414M	14	1	.050	14
	4506M	14	11/4	.062	6
	4510M	14	11/4	.062	10
	4604M	14	11/2	.075	4
	4606M	14	11/2	.075	6
	7410M	17	1	.050	10
	7414M	17	1	.050	14
	7504M	17	1 1/4	.062	4
	7506M	17	1 1/4	.062	6
	7510M	17	1 1/4	.062	10
	8506M	18	11/4	.062	6
	8510M	18	11/4	.062	10
	8604M	18	11/2	.075	4
	8606M	18	11/2	.075	6
	8784M	18	134	.088	4
8	8786M	18	13/4	.088	6
۱	1784M	21	1 3/4	.088	4
ı	1786M	21	1 3/4	.088	6
	4784M	24	134	.088	4
	4786M	24	13/4	.088	6
	@4814M	24	2	.100	4
	@3114M	30	21/2	.100	4

25/64" Pin Hole Standard on these Blades.



An extra margin of safety under severest cutting conditions.

One of the most sensational performers in the Power Hack Saw field!
Unbreakable in use. Savings of 20% to 50% when tested against other blades on actual production runs.
Teeth milled in super high speed steel strip and electrically welded to tough shatter-proof steel back.

Packed 10 Per Box.



Cat. No.	Length Inches	Width Inches	Thickness	Teeth Per Inch
2410JE	12	1	.050	10
2414JE	12	1	.050	14
4410JE	14	1	.050	10
4414JE	14	1	.050	14
4506JE	14	11/4	.062	6
4510JE	14	11/4	.062	10
4604JE	14	11/2	.075	4
4606JE	14	11/2	.075	6
7410JE	17	1	.050	10
7414JE	17	1	.050	14
7504JE	17	1 1/4	.062	4
7506JE	17	11/4	.062	6
7510JE	17	11/4	.062	10
8506JE	18	11/4	.062	6
8510JE	18	11/4	.062	10
8604JE	18	11/2	.075	4
8606JE	18	11/2	.075	6
8784JE	18	1 3/4	.088	4
8786JE	18	1 3/4	.088	6
1784JE	21	1 3/4	.088	4
1786JE	21	1 3/4	.088	6
4784JE	24	1 3/4	.088	4
4786JE	24	13/4	.088	6
<b>0</b> 4814JE	24	2	.100	4
@3114JE	30	21/2	.100	4
3612JE	36	41/2	.125	21/2

@ 25/64" Pin Hole Standard on these Blades.



# metal cutting products

### "BLU-MOL"® DOUBLE LIFE HIGH SPEED POWER HACK SAW BLADES

#### **Double Edge for Double Life!**

Twice the cuts for only one third more! Only double-life blade made. All the Blu-Mol advantages PLUS double-edged economy. Unbreakable in use. Both cutting edges are identical except that first edge used has greater set enabling second edge to pass through without wear. Welded high speed cutting edge assures twice the cutting without blade fatigue.

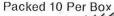
WELDED EDGE DOUBLE LIFE "BLU-MOL" HIGH SPEED

Cat. No.	Length Inch	Width Inch	Thickness	Teeth Per Inch
WD4506	14"	1 1/4"	.062	6
WD4510	14"	1 1/4"	.062	10
WD4604	14"	1 1/2"	.075	4
WD4606	14"	11/2"	.075	6
WD8506	18"	11/4"	.062	6
WD8510	18"	1 1/4"	.062	10
WD8604	18"	11/2"	.075	4
WD8606	18"	11/2"	.075	6
WD1786	21"	1 3/4"	.088	6
WD4784	24"	134"	.088	4

### ONE PIECE DOUBLE LIFE "BLU-MOL" HIGH SPEED

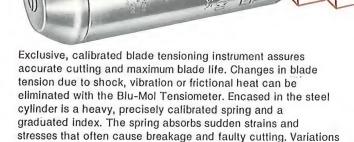
DL4506 DL4604	14" 14"	1 1/4"	.062 .075	6
DL7504 DL8604 DL8606	17" 18" 18"	1 1/4"	.062 .075 .075	4 6
DL8784 DL1784	18" 21"	134"	.088	4 4
DL1814 DL4814	21" 24"	2"	.100 .100	4

2%4" Pin Hole Standard.





"BLU-MOL"®
TENSIOMETER



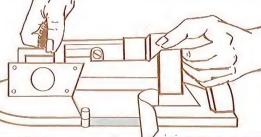
PORTER BANDS FOR PORTABLE BANDSAW MACHINES

Tuf-Flex. For general purpose, mild steels, tubing, angle, etc. Packed 5 Per Box.

A heavy roller thrust bearing in base of cylinder allows accurate adjustment with ease up to 4,000 pounds. Special fittings permit installation of the Tensiometer on production hacksaw machines. The unit is attached directly to the machine's blade holder and becomes an integral part of the machine.

Packed 1 Per Box.

No. 888-13 ½"-13" Threaded Hole No. 888-20 ½"-20" Threaded Hole



Jet Band. High speed alloy vanadium carbide hardness. Cuts stainless steel and other tough alloys. Packed 3 Per Box.

No.	Length	No. of Teeth	Tooth	Set	
5210 5214 5218 5224	44%" 44%" 44%" 44%"	10 14 18 24	Reg Reg Reg Reg	Raker Raker Raker Wavy	Welded ½″ x .020

Blade No.	Length	No. of Teeth	Tooth	Set	
4110 4114 4118 4124	44%" 44%" 44%" 44%"	10 14 18 24	Reg Reg Reg Reg	Raker Raker Raker Raker	Welded ½″ x .020



# metal cutting products

#### TUF-FLEX® CARBON BAND SAWS

### TUF-LEX

Special formula steel for strength and economy even under the toughest cutting applications. Tooth hardness coupled with flexible back assures high resistance to wear and stress breakage. Recommended for general purpose cutting including inside/outside contour work.

See Page 43 for Portable Bands

Thick-	Tooth	Tooth	Teeth/		g No.	Catalo
ness	Set	Type	Inch	Width	250 Ft. Coil	100 Ft. Coil
		Reg.	18	1/8"		6B021S100
		Hook	4		6B040S250 6B042S250	6B042S100
		Skip	4 6	1/4"	6B041S250 6B043S250	6B041S100 6B043S100
.025	Daltas	Reg.	10 12 14 18 24		6B044S250 6B045S250 6B046S250 6B047S250	6B044S100 6B045S100 6B046S100 6B047S100 6B048S100
	Raker	Hook	3 4 6		6B060\$250 6B062\$250 6B064\$250	6B064S100
		Skip	4	3/8"	6B063S250	6B063S100
		Reg.	8 10 14 18	78	6B065S250 6B066S250 6B068S250 6B069S250	6B065S100 6B066S100 6B068S100 6B069S100
.020		nog.	10 14 18	1/2"	6B082S250 6B083S250 6B084S250	
	Wavy		24		6B086S250	

Thick-	Tooth	Tooth	Teeth/		g No.	Catalo
ness	Set	Туре	Inch	Width	250 Ft. Coil	100 Ft. Coil
		Hook	3 4 6		6B091S250 6B093S250 6B096S250	6B093S100 6B096S100
.025	Raker	Skip	3 4		6B092S250 6B094S250	6B094S100
	Nakoi	6		1/2"	6B097S250 6B098S250 6B100S250 6B102S250 6B104S250	6B097\$100 6B098\$100 6B100\$100 6B102\$100 6B104\$100
	Wavy	Reg.	10 14 18 24		6B099S250 6B101S250 6B103S250 6B105S250	6B099S100 6B101S100 6B105S100
	Raker		6 10 14	5/8"	6B120S250 6B122S250 6B124S250	6B122S100 6B124S100
		Hook	2 3 6		6B140S250 6B141S250 6B143S250	6B143S100
		Skip	3		6B142S250	6B142S100
.032		Reg.	6 8 10 12 14 18	3/4"	6B144S250 6B146S250 6B148S250 6B150S250 6B152S250 6B154S250	6B144S100 6B146S100 6B148S100 6B150S100 6B152S100 6B154S100
	Wavy		8 10 12 14 18		6B147S250 6B149S250 6B151S250 6B153S250 6B155S250	6B149S100 6B153S100
	Hook	2 3		6B170S250 6B171S250	6B171S100	
	D.L.	Skip	3		6B172S250	
.035	Raker	Reg.	6 8 10 14	1"	6B174S250 6B175S250 6B176S250 6B178S250	6B174S100 6B175S100 6B176S100 6B178S100
	Wavy		10		6B177S250	001700100

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired. Example: ½ x .020 x 10T Reg. Raker use 6B321S-6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23'

#### MICRO-HONED JET BAND® SAWS

### MICRO-HONEDE VET BANK

Outcuts and outlasts up to seven carbon bands! Vanadium carbide hardness with high fatigue resistance. Exclusive Millers Falls steel formula developed especially for band saws. Handles 80% of the cutting jobs of high speed steel bands at savings of up to 50%. See Page 43 for Portable Bands

Catalog No 250 Ft. Coi	-	Teeth/ Inch	Tooth Type	Tooth Set	Thick- ness
6B321S250 6B322S250 6B323S250 6B324S250	1/2"	10 14 18 24	Reg.	Raker	.020
6B352S250 6B353S250 6B354S250 6B356S250	3/4"	6 8 10 14		Nakei	.032
6B355S250		10		Wavy	
6B370S250		3	Hook		
6B373S250 6B375S250 6B376S250 6B377S250	1"	4 6 8 10	Reg.	Raker	.035
6B381S250		6			.042

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired. Example: ½ x .025 x 10T Reg. Raker use 6B411S-6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23

#### TUF-TEMPER® BAND SAWS

### TUF-TENDER

New improved process makes this a premium quality carbon band. Double heat treat produces hard edge plus flexible spring temper back to minimize breakage. An economical increased tooth life band with greater tensile strength and no stretch to withstand greater feed pressures.

Catalo 100 Ft. Coil	og No. 250 Ft. Coil	Width	Teeth/ Inch	Tooth Type	Tooth Set	Thick- ness
6B210S100	6B210S250 6B212S250		4 6	Hook		
6B213S100	6B211S250 6B213S250		4	Skip	Raker	
6B214S100 6B215S100 6B216S100 6B217S100	6B214S250 6B215S250 6B216S250	1/4"	10 14 18 24	Reg.	Nakei	.025
6B218S100	1		32		Wavy	
6B222S100 6B224S100	6B222S250 6B224S250		4 6	Hook		
6B223S100	6B223S250		4	Skip		
6B225S100 6B226S100 6B227S100	6B226S250 6B227S250	3/8"	8 10 14	Reg.	Raker	
6B228S100			18			

Catal	og No.		Teeth/	Tooth	Tooth	Thick-
100 Ft. Coil	250 Ft. Coil	Width	Inch	Type	Set	ness
6B233S100 6B235S100 6B234S100	6B233S250 6B235S250 6B234S250		4 6 4	Hook Skip		
6B236S100 6B237S100 6B239S100 6B241S100	6B236S250 6B237S250 6B239S250 6B241S250	1/2"	6 10 14 18	Omp	Raker	.025
6B238S100 6B240S100 6B242S100	6B238S250 6B240S250 6B242S250		10 14 24	Reg.	Wavy	
6B251S100 6B253S100	6B251S250 6B253S250	5/8"	10 14			
	6B261S250 6B263S250		3 6	Hook		
6B262S100			3	Skip	Raker	
6B264S100 6B265S100 6B267S100 6B269S100 6B271S100	6B264S250 6B265S250 6B267S250 6B269S250 6B271S250	3/4"	6 8 10 12 14	Rag		.032
6B268S100 6B272S100	6B266S250 6B268S250 6B270S250 6B272S250 6B273S250		Reg.   Wavy   18	Wavy		
	6B277S250		3	Hook		
6B280S100 6B281S100 6B282S100 6B284S100	6B280S250 6B281S250 6B282S250 6B284S250	1"	6 8 10 14	Reg.	Raker	.035
6B283S100	6B283S250		10		Wavy	

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired. Example: ½ x .025 x 18T Reg. Wavy use 6B103S-6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23'

#### BLU-MOL® BAND SAWS

### BLU- OL

Cuts 10 times faster than carbon bands! Takes over where other bands leave off. Ideal for cutting high alloy steels. Specially designed for production cut-off work; handles heavier feeds at higher speeds than competitive bands. 20% longer life than other high speed steel bands. Extremely tough and flexible with super-hard teeth, hardness held at cutting temperatures up to 1100°F. "Micro-Honed" process yields sharper teeth and maximum fatigue resistance.

Catalog 250 Ft. 0		Teeth/ Inch	Tooth Type	Tooth Set	Thick- ness
6B411S2	250 1/2"	10			.025
6B422S2 6B423S2 6B424S2	50 3/4"	6 8 10	Reg.		.032
6B440S2 6B442S2 6B445S2	50	3 4 6	Hook	Raker	.035
6B460S2	250 1"	3			.042
6B444S2 6B446S2 6B447S2 6B448S2	250 250	4 6 8 10	Reg.		.035
6B481S2	50 11/4"	6			.042

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired. Example: ½ x .025 x 4T Hook Raker use 6B233S-6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23

#### "BLU-MOL" WELDED EDGE BAND SAWS

### BLUMOL

Fabricated with two selected metals welded together to produce a blade with up to four times better performance than other one-piece high speed steel blades. The welded band results in a uniformly hard, high abrasion resistant tooth with a flexible, highly resilient and fatigue esistant back. Blade can be welded on standard blade welding equipment.

ı		og No. 150 Ft. Coil	Width	Teeth/ Inch	Tooth Type	Tooth Set	Thick- ness
	6B621S100 6B622S100		1/2"	10 14		Raker	
		6B641S150 6B643S150	3/4"	6 10	Reg.		
		6B644S150		10		Wavy	.035
		6B650S150 6B649S150	1,,	3 4	Hook		- 1
		6B651S150 6B652S150 6B654S150	1"	4 6 10	Reg.	Raker	

BANDS CUT TO LENGTH AND WELDED refer to the above catalog numbers. Use the first 5 digits and add length desired. Example: ½ x .035 x 10T Reg. Raker use 6B621S—6' 6" (or length desired)

Standard Band Lengths Available: 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23

# metal cutting products

### HOLE SAW/MANDRELS/ACCESSORIES



Designed for wide use and application in the metal cutting industries, plumbing, electrical, and automotive trades. Saw follows through completely, knock-out slots permit easy core removal. Molybdenum high speed steel cutting edge welded to shatter-proof steel back for safer cutting in all machinable materials.

- 11/8" depth of cut
- 6 teeth per inch
- Follow through design
- Over 50 sizes -%16" through 6" diameter

See Selector Chart on page 47



#### DEEP CUT HOLE SAWS

Essential tools for the journeyman. 15 sizes available for cutting 1" to 4½" diam. holes in metal pipe, wood, sheet-rock and plaster. High speed steel cuts easily through obstructions such as nails and screws.

- High speed steel cutting edge
- Welded edge shatter proof construction
- Cuts holes up to 2½" deep
- Follow through design
- 15 sizes-1" to 41/2" diameter

See Selector Chart on page 47



### MODEL 3801 DEEP CUT HOLE SAW KIT

Ideal for mechanics, maintenance crews, electricians, plumbers, construction workers and appliance installers.

Kit Contains: one each 3816, 3818, 3820, 3822, 3828, 3832, 3836, 3840, 3852 and 3864 Deep Cut Hole Saws; one each 8540 and 8550 Mandrels; one 5500 Extension.

Packed in metal case with formed insert. See Selector Chart on page 47



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#### **BLU-JET® HOLE SAWS**

Designed to cut thin metal with cleaner, burr-free holes. Unique tooth set design maintains consistently rounder holes in sheet metal stock. 4 teeth per inch and thin blade permit higher operating speeds and less feed pressures.

- For all types of sheet metal and light gauge applications
- Shatter-proof welded edge construction
- 1/2" cutting depth

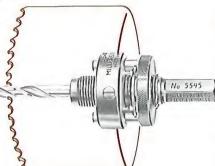
See Selector Chart on page 47



For Blu-Mol, Blu-Jet and Deep Cut Hole Saws.

Mandrels complete with high speed ¼" pilot drill. Deep Cut Hole Saws use mandrel with ¾" high speed pilot drill. Shank will fit any two or three jawed chuck. All mandrels are fully heat treated and provide positive drive to hole saw. No. 5545 Quick-Change Mandrel (for hole saws 1¼" through 6") allows easy changing of hole saws. Drive pins can be readily advanced or retracted without removing mandrel from chuck providing fast time-saving change-overs.

See Selector Chart on page 47



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#### HIGH-TORQUE DRIVING PLATES

Available in two sizes for driving hole saws. Eliminates shearing mandrel drive pins. Distributes torque over greater driving area permitting greater feeds and speeds.

Cat. No.	Fits Blu-Mol Hole Saw Nos.
5506	548-570
5507	572-596

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### HOLE SAW/MANDREL SELECTOR CHART

#### MANDREL ACCESSORIES



No. 5511 Mandrel
Adaptor. Threaded adaptor
and washer allows Mandrel
Nos. 5514 and 5518 to be
used with hole saw No. 520
thru 524 and 8626 thru 8630
under light duty cutting
conditions.

No. 8535 ¼ " Pilot Drill. Original equipment replacement ¼ " pilot drill for Mandrel Nos. 5514, 5518, 5520, 5545 and 5572.

No. 8525 %" Pilot Drill. Original equipment replacement %" pilot drill for Mandrel Nos. 8540 and 8550.

No. 5500 12" Extension. A 12" extension for use in hard to reach places. For 7/16" hex shank Mandrel Nos. 5518, 5520, 5545, 8540, and 8550.

				3			Pagamir	nended C	lassansa	
	DEEP	Unto	BLU	BLU			Pipe	nended C		bing
Mandrel Cat. No.	HOLE SAWS	Hole Dia. Inch	MOL HOLE SAWS	JET HOLE SAWS	Mandrel Cat. No.	Tap Size	Entr. Size	Cou- pling	Size	Cou- pling
Use Mandrel 8540 %e" Hex Shank	3816 3818 3820 3822	%16 %8 11/16 %4 11%6 %6 11%6 1 1/16 1 1/16 1 1/16 1 1/16 1 1/16 1 1/16	509 510 511 512 513 514 515 516 517 518 519 520 521	8616 8618 8620 8622 8624 8626 8628	Use Mandrel 5514 ¼" Rd. or 5518 %6 Hex Shank  Use 5520, 5545 %6" Hex or	3/4 3/4 1	1/4 3/8 1/2 3/4	1/4 3/8 1/2	34 1	V2 34
	3824	1½ 1½ 1% 1% 1%	523 524 525 526	8630 8632	5572 %" Hex Shank	1 1/4		34	1 1/4	1
	3828	111/16 134 113/16 17/8	527 528 529 530	8634 8636		11/2	1 1/4		1 1/2	1 1/4
	3832	2 2½ 2½ 2½	532 533 534	8637 8639			1 1/2			1 1/2
Use Mandrel 8550 %6" Hex	3836	21/4 25/16 23/8 21/2	536 537 538 540	8640 8642 8643	Use	2	2	1 1/4	2	2
Shank	3844	2¾6 2¾ 2¾	541 542 544	8646	Mandrel 5545 % <sub>16</sub> " Hex		-	172	21/2	-
	3848 3852	27/8 3 31/8 31/4	546 548 550 552	8648	or 5572 %" Hex Shank	3	21/2	2	3	21/2
	3856	3¾ 3½ 3% 3¾	554 556 558 560			31/2	3			3
	3864	3% 4 4½ 4¼	562 564 566 568				31/2	21/2	31/2	31/2
	3872	43/8 41/2 43/4 5	570 572 576 580				4	3	4	
		5½ 5¾ 6	588 592 596				5			

#### QUIK-CUT HOLE SAWS

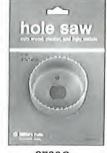






\*9270C

2703C



QUIK-CUT HOLE SAW. Quick-Cut follow through design of tempered alloy steel for hobby use in wood, plaster and mild steel. %" depth capacity. Knock-out holes. Carded.

2736C

QUIK-CUT MANDREL. Complete with 1/4 inch pilot drill. Carded.

QUIK-CUT HOLE SAW STARTER
KIT. Heat treated alloy steel for
wood, plastics, wallboard and mild
steel, Drills doors for lock sets, Carded.

Cat. No.	Description
2712C	34" diam.
2714C	%″ diam.
2716C	1" diam.
2718C	11/a" diam.
2720C	11/4" diam.
2722C	13/8" diam.
2724C	1 1/2" diam.
2726C	1 % " diam.
2728C	134" diam.
2730C	1%" diam.
2732C	2" diam.
2734C	21/8" diam.
2736C	21/4" diam.
2740C	2½" diam.
2701C	For saws ¾"—11/8" diam.
2702C	For saws 11/4"-21/2" diam.
2703C	For saws 11/4"-21/2" diam.
00700	Mit to alord a se
9270C	Kit Includes:
	1¼", 1½", 2" and 2½" hole saws:
	No. 2703 mandrel
	NO. 2705 manufel

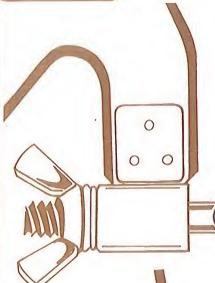
Description

\* Denotes carded or packed in vinyl pouch.



# metal cutting products

### HAND HACKSAW BLADES



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# "BLU-MOL"® HIGH SPEED HAND HACKSAW BLADES

"Blu-Mol" molybdenum high speed steel. Fully heat treated to resist wear and cut all metals efficiently. Recommended for applications involving firmly held work. Standard set on 14 and 18 tooth. Wavy set on 24 and 32 tooth.

Packed 100 Per Box.

Cat. No.	Lgth.	Teeth Per In.	Width	Thick- ness
1018M 1024M 1032M	10"	18 24 32	1/2"	.025
1214M 1218M 1224M 1232M	12"	14 18 24 32	1/2"	.025



### ME BLU-MOL® HIGH-SPEED



"Blu-Flex" high speed molybdenum, shatter-proof, heat treated hard teeth with super-flexible back. Recommended when work cannot be firmly secured. Standard set on 14 and 18 tooth. Wavy set on 24 and 32 tooth.

Packed 100 Per Box.

\*Also available 1 per plastic sleeve, 20 sleeves per box. To order letter S must precede Cat. No. Example: S1018BF

Cat. No.	Lgth.	Teeth Per In.	Width	Thick- ness
*1018BF *1024BF *1032BF	- 10″	18 24 32	1/2"	.025
1214BF *1218BF *1224BF *1232BF	12"	14 18 24 32	1/2"	.025



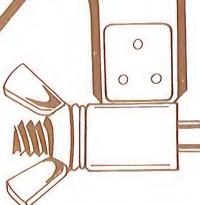
### MICHSPELD @BLU-FLEX @FLEXIBLE



Super tough, super flexible patented alloy. Heat treated to resist breakage and tooth strippage. Best suited for light to medium duty general cutting. Standard set on 14 and 18 tooth. Wavy set on 24 and 32 tooth.

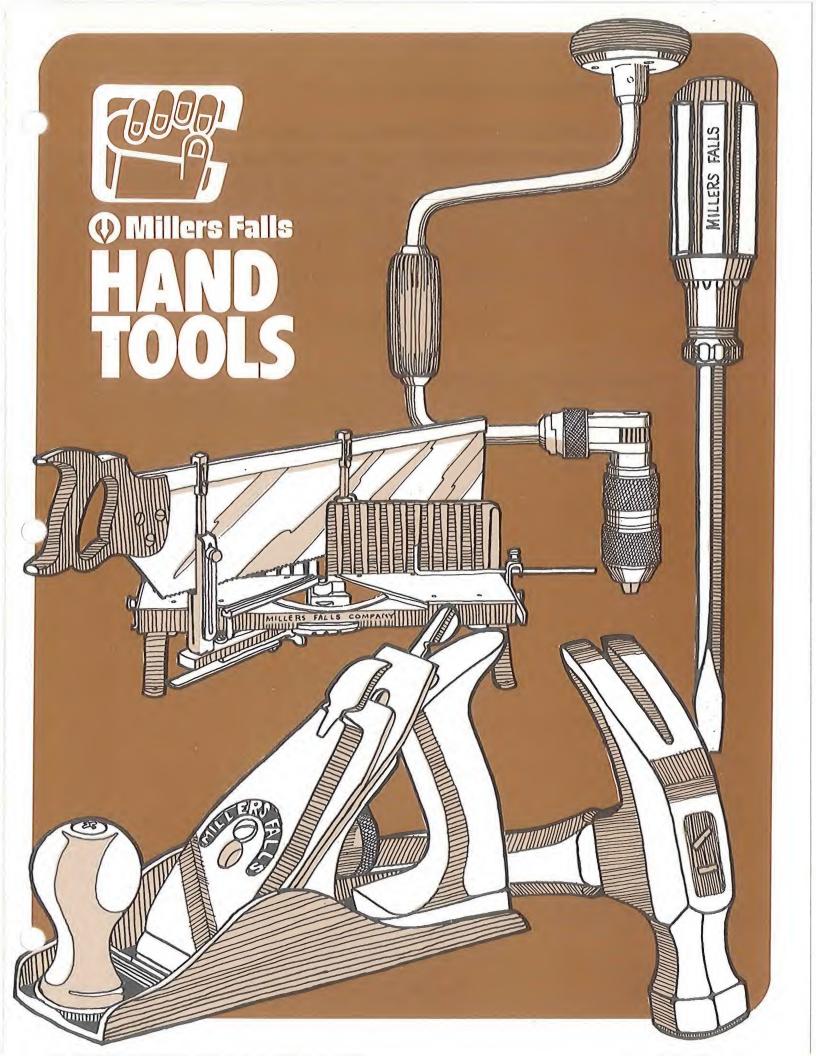
Packed 100 Per Box.

Cat. No.	Lgth.	Teeth Per In.	Width	Thick- ness
53FH 63FH 73FH	10"	18 24 32	1/2"	.025
45FH 55FH 65FH 75FH	12"	14 18 24 32	1/2"	.025











### Millers Falls . . . the Professional's choice

Millers Falls hand tools have been used by professional craftsmen throughout the world for over a century. Their reputation for quality and value is unsurpassed in the hand tool industry.

Every hand tool bearing the Millers Falls name is manufactured to exacting standards

and "job tested" to assure proper strength, balance, ease of handling and reliability on the job.

When superbly crafted and highly durable hand tools are required, the **professionals** choose **Millers Falls.** 

### warranty

Millers Falls warrants to the original purchaser for (1) one year from date of purchase, to correct by repair or parts replacement at no charge, any defect which upon our examination proves to have been caused by faulty materials or workmanship. This warranty does not cover abuse, normal wear or careless handling and is void if the tool has been repaired or serviced by personnel not authorized by Millers Falls. Simply return the tool (properly packed with all transportation charges prepaid) to the nearest Millers Falls Distribution Center or Authorized Service Station. No other warranty, however expressed or implied, on our products is authorized by us.

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Scout Axe With Sheath. Precision forged and polished quality tool steel head. Steel wedged durable hickory handle. Beveled nail slot.

Hunters Axe. Precision forged and polished quality tool steel head. Steel wedged durable hickory handle.

half Hatchet. Polished face and bit with ground sides. Octagon pole and steel wedged durable hickory handle. Beveled nail slot.

Lath Hatchet. Ground steel head, scored face and steel wedged durable hickory handle.

### HAMMERS

Brick Hammer. Ground face and sides with steel wedged durable hickory handle.

Flooring/Framing Hammer. Round pole, octagon neck pattern. Fully polished head with steel wedged selected hickory handle.

Nail Hammers. Fully polished head with full octagon pattern. Steel wedged selected octagon hickory handle.

Nail Hammers. Bell faced, round neck pattern with polished sides and face. Steel wedged selected hickory handle.

Nail Hammers. Ground and semipolished forged heat treated alloy head. Hardwood handle.

1416

16 oz. ripping

Cat. No.	Specifications
9260	1¼ lb. 3″ cut 13″ overall length
9261	2¼ lb. 3¼" cut 19" overall length
9255	3½" cut 13" overall length
9256	2¼" cut 13" overall length
9757	24 oz.
9697	20 oz.
9751 9752 9753 9754 9755	13 oz. claw 16 oz. claw 16 oz. ripping 20 oz. claw 20 oz. ripping
9125 9126 9127	7 oz. claw 16 oz. claw 16 oz. ripping
1418 1417	7 oz. claw 16 oz. claw

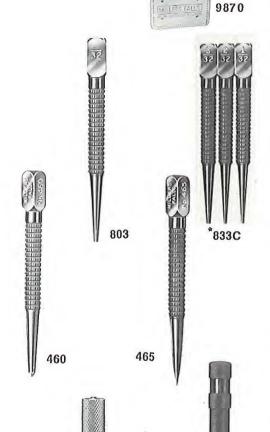
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# hand tools

**HAMMERS** (continued)







\*462C

\*147C

Fiberglass Handle

Nail Hammers. Polished, forged and heat treated head. Red fiberglass handle with rubber "Cushion-Grip."

All Purpose Nail Hammer. Hardwood handle with polished curved back claw.

Hammer Holster. Fine cowhide leather with belt loop and steel ring to hold any nail hammer.

# NAIL SETS & PUNCHES

Nail Sets. One piece alloy steel hardened and tempered for long life. Black body. 4" long. "C" denotes carded.

Nail Set Pak. Assortment of three nail sets. One each numbers 801, 802, 803. Carded.

Center Punch. One piece alloy steel hardened and tempered. Round knurled shank with square head to prevent rolling. 4" long. "C" denotes carded.

Prick Punch. One piece steel hardened and tempered. Round knurled shank with square head to prevent rolling. 4" long. "C" denotes carded.

Self-Centering Screw Hole Punch. Self-positioning in any screw hole or countersunk hardware. Spring return. Carded.

Automatic Center Punch.
Hardened steel point
automatically makes accurate
impression for marking or drill
starting. Adjustable impression
mechanism. Replaceable point.
Carded.

Cat. No.	Specifications
0.01.5	10
9516	16 oz. claw
9520	20 oz. claw
9816	16 oz. ripping
9820	20 oz. ripping
9916	16 oz. claw
9870	For all nail hammers
801 801C 802 802C 803 803C 804 804C	1/32" tip, 4" long 2/32" tip, 4" long 3/32" tip, 4" long 4/32" tip, 4" long
805 805C	⅓₂" tip, 4" long
833C	1/32", 1/32" and 1/32" nail sets
460 460C	%6" stock, 4" long
465 465C	%" stock, 4" long
147C	3" long
462C	4" long



# hand tools

### **WOOD CHISELS**





wood chisels

1434C



30-05C

Butt Chisels. Heavy duty forged alloy steel taper ground and polished blade. Clear red plastic handle with steel cap that centers blow. "C" denotes carded.

Wood Chisels. Professional duty forged alloy steel taper ground and polished blade. Clear plastic handle. "C" denotes carded.



1"

Butt Chisel Set. Assortment of four 30 series butt chisels in protective plastic pouch.

Wood Chisel Set. Assortment of four 1430 series wood chisels in protective plastic pouch.

### STAR DRILLS

1216-06

Forged octagon alloy steel. 12" long. Resharpenable.

30-01	1/ //
30-01C	1/4" width
30-02	
30-02C	%" width
30-03	
30-03C	½" width
30-04	
30-04C	%" width
30-05	
30-05C	¾" width
30-050	
	1" width
30-06C	
30-07	11/4" width
30-07C	
30-08	1½" width
30-08C	172 WIGHT
30-09	2" width
30-09C	e widii
1430-01	1/4" width
1430-01C	74 MIGHT
1430-02	3/8" width
1430-02C	78 WIUTI
1430-03	1/ "
1430-03C	½" width
1430-04	5, 11
1430-04C	%" width
1430-05	
1430-05C	¾" width
1430-06	
1430-06C	1" width
1430-07	
1430-07C	11/4" width
1430-08	
1430-08C	11/2" width
1400-000	
3034C	1/4", 1/2", 3/4" and
	1" widths
11010	4/ 1/ 4/ 1/ 2/ 1/
1434C	1/4", 1/2", 3/4" and
	1" widths
1216-01	1/4" diam.
1216-02	%6" diam.
1216-03	%" diam.
1216-05	½" diam.
1216-07	%" diam.
1216-08	¾" diam.
1216-09	%" diam.
1216-10	1" diam.
	Y-

Cat. No.

Specifications

Forged octa

MILLERS FALLS ON MONEYS

\* Denotes carded or packed in vinyl pouch.

The second liverage of	11 11 11 11 11 11		
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		1 3	15 1
			11/1/
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			PD 4

9308

Professional Crosscut Saws. First choice of the professional carpenter. Highest quality Chrome Nickel Alloy Steel blade features full taper ground to prevent binding. Blade expertly tempered, hardened and highly polished for ultimate cutting ease. Teeth are precision bevel filed. Contoured handle of finest hardwood.



9005

Deluxe Saws. Designed for the frequent user. Special saw steel blade is fully polished and bevel filed for faster cuts. Wood handle,



2210

Crosscut Saws. High quality ground and tempered blade. Contoured wood handle.



2010

Tool Box Size. Filed and set for all purpose sawing. Contoured wood handle. Short profile to fit most tool boxes.

### HACKSAWS



300-01

Professional Deep Throat Frame. Extra capacity 43/4" depth of cut for professionals. Blade tension lever for positive guide tensioning, adjustable for 10" and 12" blades. Four blade positions-ideal for left, right, vertical and flush cutting. Molded handle with hand guard. Blade included.

300-01

2010

Cat. No.

9308

9310

9005

9008

9010

2208

2210

Specifications

26", 8 pt., crosscut

26", 10 pt., crosscut

26", 51/2 pt., ripping

26", 8 pt., crosscut

26", 10 pt., crosscut

26", 8 pt., crosscut

26", 10 pt., crosscut

43/4" depth of cut, 10" and 12" capacities

20", 10 pt., all-purpose

Cat. No.

Specifications

# Millers Falls hand tools HACKSAWS (continued)

HACKSAWS (col	ntinuea)	out. No.	opounouiono.
M Turace. Same R man. 84	Heavy Duty Industrial Frame. Heavy gauge rigid steel frame with contoured handle and hand guard. Four-position blade adjustment for left, right and vertical cutting. Frame easily adjusts for 8", 10" and 12" blades. Blade included.	84	3¼" depth of cut, 8", 10" and 12" capacities
Turfus 1414	Tubular Frame. 5%" diameter rigid tubular steel frame with full grip die-cast handle. Frame easily adjusts for 10" and 12" blades. Handy thumb hook adjusts to most comfortable position. Blade included.	1414	4" depth of cut, 10" and 12" capacities
H TUTALS TO P MAN A CONTRACT OF THE STATE OF	Semi-Industrial Frame. Rigid steel frame with high impact molded handle. Frame easily adjusts for 8", 10" and 12" blades. Four blade positions—ideal for left, right, vertical and flush cutting. Plated. Blade included.	48	3¼" depth of cut, 8", 10" and 12" capacities
1237	Pistol Grip. Shatter resistant pistol grip handle, reinforced back. Four blade positions. Frame easily adjusts for 8", 10" and 12" blades. Blade included.	1237	3¼" depth of cut, 8", 10" and 12" capacities
	COMPASS SAWS		
F-25 A 17 400 (2) . 0	Two Position Compass Saw. Tempered, filed and set alloy steel blade. Two position wood handle for regular and flush cutting. Carded.	345C	14", 8 pt. blade
*345C	Compass Saw Set.Includes 12" and 14" tempered, filed and set alloy steel blades. Two position handle for regular and flush cutting. High impact plastic handle. Carded.	9345C	Includes 12" and 14", 8 pt. blades
and a state of the	Compass Saw.For inside straight and curve cutting in wood and plywood. Filed and set 12" blade. Hardwood handle.	341	12", 8 pt. blade
	Compass Saw Replacement Blades. For use with 341, 9345C and 345C Compass Saws.	R12 R14	12", 8 pt. blade 14", 8 pt. blade

\* Denotes carded or packed in vinyl pouch.

# hand tools

### **COPING SAWS**



Plated Steel Frame. Hardwood handle. 6½" pin end blade rotates to any position. Accommodates all 6½" pin-end or lock-loop blades. Blade included.

Coping Saw Set. Rustproof frame with plastic handle. Includes four 6½" blades. Carded.

Coping Saw Replacement Blade. Heavy duty pin end. For use with all Millers Falls Coping Saws. Uniformly heat treated with accurately set teeth for fast, clean cutting.

Cat. No.	Specifications	
52 49	5" throat 634" throat	
45C	4¾" throat	
65	6½" long	



56

### **DRYWALL SAWS**

Rotating Blade Drywall Saw.
Blade rotates and locks in eight positions. Ideal for cutting openings for outlet, switch and wall fixtures. Carded.

Drywall Saw Replacement Blade. For use with Model 499C Drywall Saw.

499C	5½″, 9 tooth blade

149

895

995C

9370C

7-03

8-04

9-01

51/2", 9 tooth

12", 10 tooth blade

12", 24 tooth metal

12", 7 tooth wood

7½", 9 tooth wood 7½", 18 tooth metal

71/2", 24 tooth metal

18 tooth metal

24 tooth metal

9 tooth wood

12", 10 tooth combination



# KEYHOLE SAWS

Keyhole Saw. Hand contoured for easy use. Die-cast handle allows quick rotation of blade to eight locking positions. Includes combination wood/metal blade.

Nest of Saws. Same as Model 895 but with extra 24 tooth metal and 7 tooth wood blades. 12" long. Carded.

Nest of Saws. Contains handle plus one wood cutting blade and two metal cutting blades. Great for cutting nails, lath, plaster board, BX cable, conduit etc. Carded.

Replacement Blades. For use with Model 789C and 9370C. 71/2" long.

Replacement Blades. For use with Models 895, 995C and 499C.

12" long.

10 tooth combination 24 tooth metal 7 tooth wood



\* 9370C

# **Millers Falls** hand tools SAW SETS



Saw Knife Set, Includes 9333 Utility Knife handle, 7-03, 8-04 and 9-01 Keyhole Saw Blades and five utility knife blades. Carded.

789C	7½" long, 18 tooth and 24 tooth metal blades, 9 tooth wood blade, pkg. of five utility knife blades	

Specifications



Multi-Purpose Saw Set, Includes 10" Keyhole Saw, 12" Back Saw, 15" Pruning Saw and 16" Panel Saw. Easily interchangeable blades for all-around home and hobby use.

9095	10" keyhole saw
	12" back saw
	15" pruning saw
	16" panel saw

9030

9021

74

76



9030

9021

#### **BOW SAWS**

30" Bow Saw. The perfect hobby and camping saw, Strong, lightweight, rustproof red tubular frame. Cam lever blade tensioning.

Bow Saw Replacement Blade. For use with Model 9030, 30" long, raker and four.

21" Bow Saw, Ideal for backpacking. Sturdy, yet lightweight, red tubular frame. Cam action blade tensioning.

Bow Saw Replacement Blade. For use with Model 9021, 21" long, raker and four.

6530	30" long, raker and four

30" blade, raker and four

21" blade, raker and four

6521	21" long, raker and four

28" x 5" saw

30" x 6" saw

71/4" at 45°

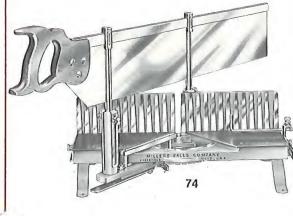
71/4" at 45°

Capacity: 101/2" at 90°,

Capacity: 101/2" at 90°,



Deluxe Steel Mitre Boxes With Back Saw, Millers Falls mitre boxes, world famous for quality, offer years of rugged, accurate performance. One piece cast iron bed and back for strength. Offset steel legs for improved stability. "Oilite" bearing saw guides. Steel swing lever and posts. Graduated arc and index plate. Extendable swing lever travels freely from 45° to 90°, right or left, and locks at any desired angle (automatic locks at 0°, 9°, 221/2°, 30° and 45°, right or left). Automatic catch holds saw elevated when desired. Length gauge and acute angle adjustment are standard.



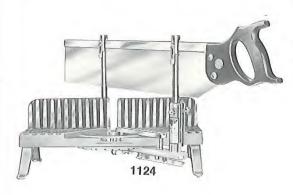
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-	Denotes	carded	OI Dacker	LI THE VILLY	DOUCH

58

### Millers Falls

# and tools

### MITRE BOXES (continued)



Mitre Box With Back Saw.

Patterned after the Deluxe Millers Falls but smaller scale. Most accurate mitre box of its size on the market. One piece cast ir offset pressu (45° to autom angles saw n Auton elevat

fron bed and back. Legs are as box will not tip when saw ure is applied. Swing lever to 90°, right or left) natically locks in most used as. All exposed parts except nickel plated for longer life, natic catch holds saw ted when desired.		
table Mitre Box. Sturdy and wood construction. ast guide post steel saw guides. Positive	1816-01	16" x 4" saw Capacity: 3" Depth of Cui

1404

1407

1409

115C

1409C

1407C

1404C

Cat. No.

1124

Specifications

Capacity: 83/4" at 90°,

Maximum

24" x 4" saw

6" at 45° mitre



Adjust steel a Die-ca holds depth lock, adjustable 0" to 3". Accurate angle cuts from 0° to 50° with graduated index plate and quick-action lock. Lacquered hardwood bed. Front legs "lipped" for bench stops when sawing. Accommodates hand or back saw.

	Knife	
19		Carried Constitution Constituti
	Section and	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

### SCRAPERS/KNIVES

Putty Knife. Tapered spring steel blade tempered and polished. Hardwood handle has hang hole. "C" denotes carded.

Wall Scraper. Tapered spring steel blade tempered and polished. Hardwood handle has hang hole. "C" denotes carded.

Spackling Knife. Tapered spring steel blade tempered and polished. Hardwood handle has hang hole. "C" denotes carded.

Linoleum Knife. Taper ground plated quality steel blade. Comfortable wood handle. Carded.

Fixed Blade Utility Knife. Diecast handle contains two extra blades. Three positions for scoring, carton opening and deep cutting. Hang hole. "C" denotes carded.





1409

K

Millers Falls NO. 115C

9333C

3" wide blade

11/4" wide blade

5" wide blade

9333 5%" overall length 9333C



KNIVES	(contin	ued)	Cat. No.	Specifications
		Retractable Blade Utility Knife. Thumb control adjusts blade to three locking positions. Die-cast handle provides handy blade storage. Hang hole. Carded.	9111C	6" overall length
Knife bistos bistos	8	Tini-Knife. Pocket size, adjusts to three positions. Locks for safety. Spare blade in handle. Handy key chain. Carded.	266C	
	*9111C	Utility Knife Replacement Blades. For use with 9333, 9333C and 9111C Utility Knives. Tempered, ground with three notches. "C" denotes carded, or pkg. of five.	3318 9318C 3325 9325C	Standard .018 inch Standard .018 inch Heavy duty .025 inch Heavy duty .025 inch
6618C 9318C *266C	linicknile bledes	Utility Knife Hook Shaped Blade. For use with Millers Falls and many other makes of utility knives. Adjusts to two positions. Five blades per card.	6618C	.018 inch
3/1	1-12	Tini-Knife Replacement Blade. For use with Millers Falls Tini-Knife. Five blades per card.	2618C	.018 inch
	2618C	PLANES		
	3	Fully Adjustable Bench Jack Planes. Milled and polished bottom and sides. One piece high quality tool steel cutter. Adjustable depth and side. Nickel plated lever cap. Hardwood handle and knob.	9 14	9" long, 2" cutter 14" long, 2" cutter
	9814	Fully Adjustable Bench Jack Planes. Polished bottom, high quality tool cutter. Easy side and depth adjustment.	8900 9814	9" long, 2" cutter 14" long, 2" cutter
	9014			
95		Fully Adjustable/Low Angle Block Plane. Low angle, adjustable throat. Screw depth adjustment. Highest quality tool steel cutter with milled sides and bottom.	56	6" long, 1%" cutter
56 p. 11/2 Price No. 275. Cl18	75-01	Fully Adjustable Block Plane. Cap with lever cam lock. Screw depth adjustment. High quality tool steel cutter with polished sides and bottom.	75-01	7" long, 1%" cutter

\* Denotes carded or packed in vinyl pouch.



Adjustable/Low Angle Block Plane, 12° low angle with screw adjustment for depth. High quality tool steel cutter. Polished bottom, Ideal for smoothing end grains and for shaping, trimming, and cleaning wood.

8455 7" long, 1%" cutter

**Specifications** 

Cat. No.

8707

8707

cutter. Polished bottom. Great for smoothing rough edges, drill holes, beveling, etc.

7" long, 1%" cutter

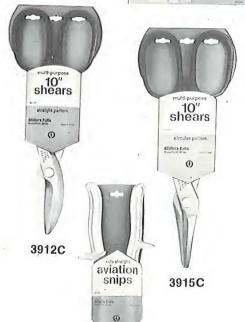
9033C



Mini-Plane. Ideal for model making, sculpture and other close quarter work. Carded.

9033C 31/2" long

### SHEARS/SNIPS



3919C

Metal Cutting/Straight Shears. Drop forged, hollow ground and heat treated. Straight pattern. Carded.

Metal Cutting/Circular Shears.

Drop forged, hollow ground and heat treated. Circular pattern. Carded,

Aviation Type Snips. Powerful aviation type snips will cut metals up to 18 gauge. Blade has serrated edges for faster, easier cutting. Contoured plastic grip. Drop forged. 10" length. Available in straight, left and right cutting styles. Carded.

3911C 7" length 3912C 10" length 3913C 123/4" length

3914C

3915C

3916C

7" length 10" length 12¾" length

3917C Left cut, 10" long 3918C Right cut, 10" long 3919C Straight cut, 10" long

# Millers Falls and tools

### PLUMBING TOOLS









11-01



215C



318C



Tubing Cutter. Hardened alloy
steel blade and special flare
cut-off rollers. Retractable
reamer blades. Carded.

Tubing Flaring Tool. Ball bearing mounted. Tapered cone. Can be used with 3/16" to 5/8" tubing.

3-Step Tap. Taps, re-taps and threads sizes 10-32, 8-32 and 6-32, Carded.

Tap Wrenches, Sliding T-handle allows use of greater pressure. Used for holding taps, drills, reamers and other small tools which are turned by hand. Chuck head centered to allow use on lathe centers or vertical drilling machines as work starter.

### WRENCHES

Hex Key Wrench Set. Seven piece set with standard shanks includes %4" through 14" sizes. Hardened, tempered high-carbon tool steel with rust-resistant plating. Carded.

Hex Key Wrench Set. Hardened, tempered high-carbon tool steel with rust-resistant plating. Fifteen piece set with standard shanks Carded.

Hex Key Wrench Set. Hardened, tempered high-carbon tool steel with rust-resistant plating. Eighteen piece set includes some 215C sizes, plus longer shanks in some sizes. Carded.

Locking Grip Plier. Locks visetight with adjustment to 11/2". Quick action release.

7-piece set includes 187C %4", 3/32", 1/8", 5/32", 3/16", 32" and 14" wrenches

> 15-piece set includes 3/64", 1/16", 5/64", 3/32", 1/8", %4", %32", %16", %32", 1/4", %16", 3/8", .028", .035" and .050" wrenches

Specifications

3/16" to 5/8" O.D. capacity

1/8" to 1 1/8" O.D. capacity

10-32, 8-32, 6-32

1/16" to 1/32" capacity

3/32" to 5/16" capacity

1/4" to 1/2" capacity

capacity

Cat. No.

4307C

4308

46C

10-01

11-01

12-01

215C

318C

1451

18-piece set includes: Standard Shanks 1/16", 5/64", 3/32", 7/64", 1/8", %4", 5/32", 7/32" and .050 Long Shanks

1/16", 5/64", 3/32", 7/64", 1/8", 5/32", 3/16", 1/4", and 5/16"

8" length, adjustment to 11/2"

<sup>\*</sup> Denotes carded or packed in vinyl pouch.

BEVELS



62

9-03

Bevel. Steel blade and hardwood handle with rust resistant brass locking nut.

### PLUMB BOBS

Plumb Bobs. Accurately machined-turned from cold rolled steel with carefully sharpened points. Nickel plated. "C" denotes carded.

### CHALK LINES/CHALK

Chalk Lines. Die-cast aluminum housing with slide-action lock and hook ring. Lock releases automatically when rewound. Plumb bob top opens for easy refilling.

Replacement Chalk Lines. Heavy woven nylon lines on spools. Packed six per box.

Marking Chalk, Micro-fine chalk for five times more marking power. Eight ounce plastic squeeze container.

Marking Chalk.Packaged in one ounce cellophane packets.

### THICKNESS GAUGES

Thickness Gauges. Precision leaves etched in decimal and metric calibrations. Positive lock nut ensures accuracy.

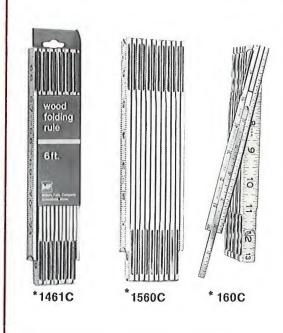
### **FOLDING RULES**

6 Ft. Extension Rule. Extra heavy hardwood with heavy duty brass spring joints and strike plates. 6" brass extension for use on inside measure or as depth gauge. Yellow face with 16th graduations. Carded.

Deluxe 6 Ft. Folding Wood Rules. Six foot hardwood with heavy duty brass joints. White face with 16th graduation on four edges. Available in outside regular and inside flat models. Carded.

6 Ft. Folding Wood Rules.Six foot hardwood with brass plated joints. 16th graduations in easy reading white face. Available in outside and inside reading models. Carded.

	Cat. No.	Specifications
	98	8" long
	1	2½ oz.
	2 2C	5 oz.
	3 3C	8 oz.
1	4	12 oz.
K	8050	50 ft.
	8100	100 ft.
	8051	50 ft.
	8101	100 ft.
	9122	Blue
	9123 9124	Red White
	8121	White
	8122	Blue
5	8123	Red
J	9-03	9 each 3½″ x ½″ leaves,
	25	sizes .0015 to .020 25 each 25/6" x ½" leaves,
		sizes .0015 to .0250
	160C	5⁄8" wide,
	1000	6' long
	1560C	Outside regular
	1561C	Inside flat
	1460C	6 ft. outside
	1461C	6 ft. inside



# (1) Millers Falls hand tools TAPE RULES



7406C

"Slim Line" Auto-Rewind Blades.
1/4" wide white blade locks tight
to prevent creeping, rewinds
automatically. Overall blade
graduated in 16ths, first six inches
graduated in 32nds. Case is
exactly 2" wide at base for
accurate inside measuring.
Carded.

#### PUSH/PULL RULES.

1/2" and 3/4" wide white blades. Qui upp inc mai Cas Bel Gra ove Car

OUT TOLL HOLLO.	10000	TE ITTUO K O ITT TOTAG
" and ¾" wide white blades.	1508C	1/2" wide x 8 ft. long
uick-read feet and inches on	1510C	1/2" wide x 10 ft. long
per edge and continuous	1512C	1/2" wide x 12 ft. long
ches on lower edge, 16" stud		_
arkings are clearly indicated.	1610C	3/4" wide x 10 ft. long
ase exactly 2" wide at base.	1612C	34" wide x 12 ft. long
elt loop on back of case.	1616C	34" wide x 16 ft. long
aduated in 8ths and 16ths		
erall, 32nds first six inches.		
arded.		

Cat. No.

7406C

7408C

7410C

1506C

4908C

4910C

4912C

ME4806C

ME4810C

ME4812C

**Specifications** 

1/4" wide x 6 ft. long

1/4" wide x 8 ft. long

1/4" wide x 10 ft. long

1/2" wide x 6 ft. long

**ENGLISH** 

METRIC/ENGLISH 1/2" wide x 2 meters long

METRIC 1/2" wide x 2 meters long

1/2" wide x 3 meters long

1/2" wide x 3 meters long

1/2" wide x 3.65 meters

1/2" wide x 8 ft. long

1/2" wide x 10 ft. long

1/2" wide x 12 ft. long



\* 1510C



\*4912C

Quick-Coil Power Rules.1/2" wide
instant power recoil with belt
clip. White blade with 16" stud
markings and inch and foot
markings. Graduated 8ths and
16ths overall, 32nds first six
inches. Available in English,
Metric and Metric/English
graduations, Carded.

M4706C M4710C

8012C 1/2" wide x 10 ft. long 1/2" wide x 12 ft. long 8212C 34" wide x 12 ft. long 8234C 7634C 3/4" wide x 16 ft, long 8260C 34" wide x 20 ft. long

long

Available in 1/2" and 3/4" wide blade models. Push-button lock prevents creeping. White Mylar protected blade has 16" stud markings. Graduated in 8ths and 16ths, Belt clip, Carded.

Quick-Lock Power Rules.



8012C

<sup>\*</sup> Denotes carded or packed in vinyl pouch.

# Millers Falls

# hand tools

### LONG MEASURE TAPE RULES



**RB216** 

Replacement Tape Rule Blades. 1/2" and 3/4" wide, white face.



3100C

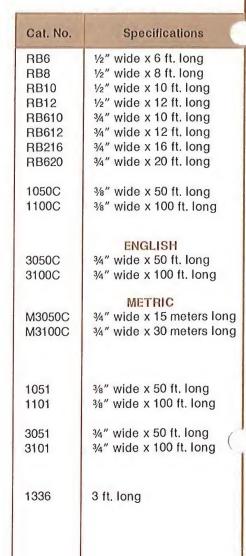
100 ft. steel measure

1100C

Standard 3/8" Wide Steel Blade. Durable steel case with black plastic covering. Winding handle folds flush, 16" stud markings clearly indicated on yellow face. Hooked end. Available in 50 ft. and 100 ft, lengths. Carded.

Deluxe 3/4" Wide Steel Blade. Rust resistant steel case with red vinyl covering. Flush winding handle has instant release button. Stainless steel trim. Yellow face (white on metric models) with 16" stud markings, inches, fractions and foot figures. Carded.

Long Tape Rule Replacement Blades. 3/8" and 3/4" wide flexible blades for 1000 and 3000 series long tape rules.



18" long, 6 vials 24" long, 6 vials

28" long, 6 vials

30" long, 6 vials

24" long, 4 vials

24" long, 4 vials

lacksquare

1336

Tempered Aluminum Yardstick. Stamped with moulding styles, nail sizes and 16th graduations. Hang hole, Individually packed in clear plastic sleeve.

Vade # USA



LEVELS

618

624 628

630

824

9424

624

Heavy Duty Six-Vial Aluminum Levels. Heavy duty die-cast frame with precision machined surfaces for highest accuracy. Six extra large vials are set in plaster of paris for protection and longer life.



824

Four-Vial Aluminum Level. Die-cast frame with machined surfaces for accuracy. Top edge graduated. Four protected vials-two level and two plumb cats-eye. Painted surfaces.



9424

Four-Vial Aluminum Levels, Die-cast frame with machined surfaces for accuracy. Four protected vials-two level and two plumb cats eye. Black surfaces.



648

Aluminum Mason's Level. Heavy duty aluminum with top, sides and ends accurately machined. Six vials protected by thick glass.

9428 28" long, 4 vials 9448 48" long, 4 vials

648 48" long, 6 vials



#### (I) Millers Falls hand tools LEVELS (continued) Specifications Cat. No. 748 48" long, 6 vials Mahogany Mason's Level. Solid 748 selected mahogany sealed against moisture. Angle type brass binding on all edges with protective brass end plates. Six vials protected by thick glass. 629C 3" long, 1 vial "Snap-Lock" Line Level. 3" long with cats eye vial set in hexagon aluminum case. Snaps and locks onto level line for determining \*629C grades, laying foundation, trimming hedges, etc. Carded. 190C 9" long, 3 vials Magnetic Torpedo Level. Diecast aluminum with three cats eye vials-one level, plumb Non-magnetic 290C and 45° mitre. Permanent ceramic \*190C 9" long, 3 vials magnet adheres to pipe, steel and tubing. V-grooved bottom. Vinyl pouch. **SQUARES** 12" blade 1250C Combination Square. Heavy head \* 1250C 8ths and 16ths one side, 65 with 12" stainless blade. Notched and graduated. Scriber and level 16ths and 32nds on to a land the state of the stat reverse included. Carded. 12" blade Combination Square, Heavy head 1200 1200 8ths and 16ths one side, with 12" stainless steel blade. 16ths and 32nds on Etched graduations. Includes level and scriber. reverse **ENGLISH** Combination Square, Rust របស់ក្រោយនៅរបស់ក្រែបបណ្តុកបន្ទិតមកពីការបង្គិតរបស់<mark>ការប្រជ</mark>ាក់ដែលក្នុងប្រ 1280 12" blade resistant black, non-glare blade But But well to But 8ths and 16ths one side, with white graduations. Black 1280 16ths and 32nds on finish on head. Includes level reverse and scriber. Available in English METRIC and Metric models. 1281M 30 cm blade **ENGLISH** Combination Square, Polished 1270 12" blade and ground blade. Die-cast iinnillani นปลาไปปาในการ์สนาปาปาปาปาปาปาปาปาปา 1270C head with level and scriber. 8ths and 16ths one side, \*1270C Available in English, Metric and 16ths and 32nds reverse English/Metric models. "C" METRIC denotes carded. 1271M 30 cm blade METRIC/ENGLISH 30 cm blade 1296EM ENGLISH 12" blade Combination Square with Center 1290 កលវីក្រសសភិបសាលិសសៀកសាល<u>ិសសាលាក</u>លិវិសសវិសា Head, Fully rust resistant square 8ths and 16ths one side, complete with center head. 16ths and 32nds on 1290 Durable black finish on square reverse head and center head. Jet black METRIC blade has clear white figures and 1291M 30 cm blade graduations. Ground edges and ends. Includes scriber and level. \* Denotes carded or packed in vinyl pouch.

# (1) Millers Falls

# hand tools

## SQUARES



1276C

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Emperatorista de la compansión de la compa	
1408	
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		1406
	Allendar Land	1402
	er preparationer	

Combination Square with Center Head. Stainless steel blade has ground edges and easy-to-read graduations. Center head aids lathe work, centering and checking. Graduated in 8ths and 16ths one side, 16ths and 32nds on reverse. Includes scriber and level.

Combination Square. 6" machine graduated steel blade. Zinc diecast head with black finish. Includes level and scriber. Graduated in 8ths and 16ths one side, 16ths and 32nds on reverse. Carded.

Rafter Squares. Black steel finish with white markings. Includes
rafter table, brace table, essex
board, octagon scale and 100th
scale. Face graduated in 8ths
and 16ths, back graduated in
10ths, 12ths and 16ths. Available
in English and Metric models.

Rafter Square. Polished steel	
finish, graduated in 8ths. Includes	s
rafter table.	

Framing Square, Polished
steel finish, 4ths and 8ths
graduations. Includes essex
board.

Rafter Square.	Blued steel finish
with white grad	uations in 4ths
and 8ths. Include	des framing table
and essex boar	d.

Rafter Square. Highly polished
steel finish with lacquered,
yellow flourescent graduations
in 4ths and 8ths. Includes essex
board and framing table.

1	Rafter Square. Lightweight
	aluminum alloy with polished
	finish. Includes rafter table,
	framing table, essex board,
	octagon scale, 100th scale and
	brace table. Face graduated In
	10ths and 12ths.

	Cat. No.	Specifications
	1294	12" blade
	1276C	6" blade
		ENGLISH
	1498	Body 24" x 2" Tongue 16" x 11/2"
	1420M	METRIC Body 24" x 2" Tongue 16" x 11/2"
S	1408	Body 24" x 2" Tongue 16" x 11/2"
	1400	Body 24" x 2" Tongue 16" x 11/2"
	1401	Body 24" x 2" Tongue 16" x 11/2"
	1406	Body 24" x 2", Tongue 16" x 11/2"
	1402	Body 24" x 2", Tongue 16" x 11/2"



DIVIDERS		Cat. No.	Specifications	
	Wing Dividers. Two fixed legs for sheet metal work. All steel components with two fully hardened straight points. Spring tensioned fine adjustment. Knurled binding screw locks	203C	7" length, two fixed legs	
	quadrant. Carded.  Carpenters' Dividers. Features one replaceable leg designed to hold standard %6" pencil to make carpenters' compass. All steel components. Spring tensioned fine adjustment. Knurled binding	204C	7″ length, one replaceable leg	
*206C	screw locks quadrant. Carded. Fully Adjustable Wing Dividers. Two fully hardened replaceable %6" straight points. All steel components. Features spring tensioned fine adjustment and knurled binding screw to lock	205C	7″ length, two replaceable legs	
*204C	quadrant. Carded. Linoleum/Flooring Dividers. Features one replaceable straight leg and one replaceable bent divider point. Both legs are completely adjustable for positioning and scribing, or for marking irregular profiles on linoleum or flooring. All steel components with spring tensioned fine adjustment. Carded. BRACES	206C	7" length, two replaceable legs	
	Professional Ratchet Braces.			
1950	First choice of carpenters and professionals. Boxed ratchet and self-centering chuck. Holds round or square bits from 1/2". Ball bearing head and sweep. Steel collar.	730 731 732 733	14" sweep 12" sweep 10" sweep 8" sweep	
	Ratchet Brace. Semi-boxed ratchet with ring shift. Barber pattern chuck with forged steel jaws. Durable impact resistant handle and head. Ball bearing head and sweep.	1950	10" sweep	

<sup>\*</sup> Denotes carded or packed in vinyl pouch.

# (Millers Falls hand tools BRACES

BRACES	Cat. No.	Specifications
Ratchet Brace. Semi-boxed ratchet with alligator jaws. Durable impact resistant plastic handle and head.  Ratchet Brace. Barber pattern chuck with alligator jaws and semi-boxed steel ratchet. Ball bearing head and sweep.	2410 1710	10" sweep
Corner Brace. Designed for boring in corners against walls and beams. Machine cut exposed gears. Nickel plated.	502	10" sweep
Screwdriver Bits. For use with all Millers Falls and other make braces. For slotted head screws.  MILLERS FALLS 6  351-01	351-01 351-02 351-03	¼" dia. blade ¾" dia. blade ¾" dia. blade
Extension Bit. Follow through  11/16" or larger. Replaceable jaws hold shank or square socket.	35-18	18" length
HAND DRILLS		
Professional Automatic Drill. Quick action chuck locks point securely. Handle holds up to 8 points. Indexed by size and gauge. "C" denotes carded.	185 185C	
Automatic Drill. Quick action chuck. Handle holds up to 12 points. Extra strong return spring. Nickel plated parts. "C" denotes carded.	170 170C	

# Millers Falls hand tools DRILL POINTS

p nand t	0015		
DRILL POINTS		Cat. No.	Specifications
401-05	Drill Points. Hardened tool steel. For use with Millers Falls Models 170, 170C, 185 and 185C; all Yankee models. Packed 12 per plastic vial.	401-01 401-02 401-03 401-04 401-05 401-06 401-07 401-08	½6" diam. %4" diam. %2" diam. %4" diam. ½" diam. %4" diam. ¾2" diam. 1½4" diam.
	Drill Point Set. Includes one each of above points. Carded.  Drill Point Sets. Assortment of	401 1234C	8-piece set includes 1/16", 1/64", 1/32", 1/64", 1/64" points 1/16", 1/64", 1/64" points
	four different size points. Carded.	5678C	1/8", %4", 5/32", 11/64" points
1234C			
	Breast Drill. 3-jaw ½" capacity chuck. Two speed ratios—3:1 and 1:1. Steel pinions.	120	½" capacity, 16" overall length
2-01	Hand Drill. Sturdy frame with 4½:1 gear ratio. Hardwood handle holds eight drill points ½6" through ½4". ¾" capacity chuck.	2-01	¾″ capacity
	Hand Drill with Drill Bit Set. Heavy cast frame and gears with large drive wheel. Hardwood handle holds bits. Quality ¼" capacity chuck. Includes set of 8 drill bits—sizes ½6" to ½4".	5	1/4" capacity

# Millers Falls

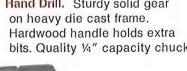
# hand tools

78

2500

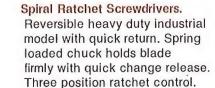
HAND DRILLS

Hand Drill. Sturdy solid gear on heavy die cast frame. Hardwood handle holds extra bits. Quality 1/4" capacity chuck.





## **SCREWDRIVERS**



#### Spiral Ratchet Screwdriver. Reversible for fast driving and drawing. Carded.

Spiral Ratchet Screwdriver with Bits. Reversible screwdriver holds four bits in transparent plastic handle. Carded.

Screwdriver Bits. For use with spiral ratchet screwdrivers.



P11 P12 P13 1201 1202 1203	FOR MODEL 611 #1 Phillips #2 Phillips #3 Phillips %32" Flat ¼" Flat %32" Flat
P21 P22 P23 1166 1167 1168-01	FOR MODEL 621 #1 Phillips #2 Phillips #3 Phillips ¼" Flat %32" Flat %6" Flat
P17 P27 299	FOR MODELS 631C & 9631C #1 Phillips #2 Phillips 1/4" Flat

Specifications

1/4" capacity

1/4" capacity

201/2" length

27" length

10" length

10" length

Cat. No.

78

2500

611

621

631C

9631C





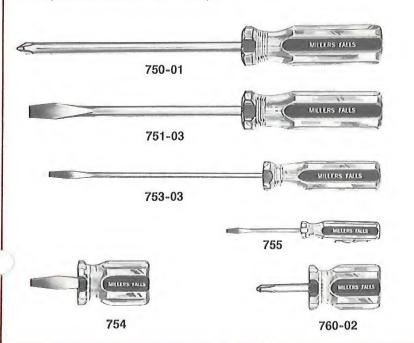
#### 950 Series Professional Quality Screwdrivers

Chrome vanadium blade with epoxy lacquer finish, bare edge and fully ground tip. Tempered over complete length. Large shockproof six-fluted plastic handles. Amber with black stripes.



#### 750 Series Screwdrivers

Bright plated hardened and tempered alloy steel blades. Four-fluted clear plastic handles with red stripes.



Cat. No.	Point Size	Blade Length	Shank Diam.
			The state of the s
Roy	ınd Shan	k Phillips I	l load
	1		leau
950-01 950-02	#1 #2	3" 4"	
950-02	#3	6"	Y
		nk Flat Bla	de
951-04		4"	1/4"
951-06		6"	5/16"
951-08		8"	3/8"
Squ	ı ıare Shar	k Flat Blad	de
952-04		4"	1/4"
952-06		6"	5/16"
952-08		8"	3/8"
952-10		10"	3/8"
Rour	nd Shank	Cabinet B	
953-04		4"	3/16"
953-06		6"	3/16"
953-08		8"	¾6″
	d Shank	Pocket Bla	
955		4"	1/8"
	Stubby	Square	
954		1 1/2"	1/4"
	Stubby	Phillips	
960-02	#2	1 1/2"	
	Phillips	Head	
750-01	#1	3"	
750-01	#2	4"	
750-03	#3	6"	
	Round	Shank	
751-03		3"	1/4"
751-04		4"	1/4"
751-06		6"	5/16"
	Cabinet	Blade	
753-03		3"	3/16"
753-04		4"	3/16"
753-06		6"	3/16"
755	Pocket	Blade 2"	1/8"
	Stubby	Square	
754	1	11/2"	1/4"
	Stubby	Phillips	
760-02	#2	11/2"	



# **Millers Falls**

# hand tools

#### **SCREWDRIVERS**

#### 550 Series Screwdrivers

Bright plated hardened tool steel blades. Six-fluted amber plastic handle with red stripes. Carded.



72





\*551-03C

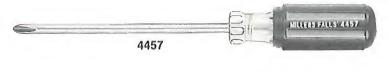


\*555C

\*533-04C

#### 4400 Series Professional Quality Screwdrivers

Chrome vanadium blades with cross ground tips and rust proof finish. Black cushion grips of nitrile rubber securely interlocked to durable amber plastic handles to give maximum turning power. Patented design for extra comfort.





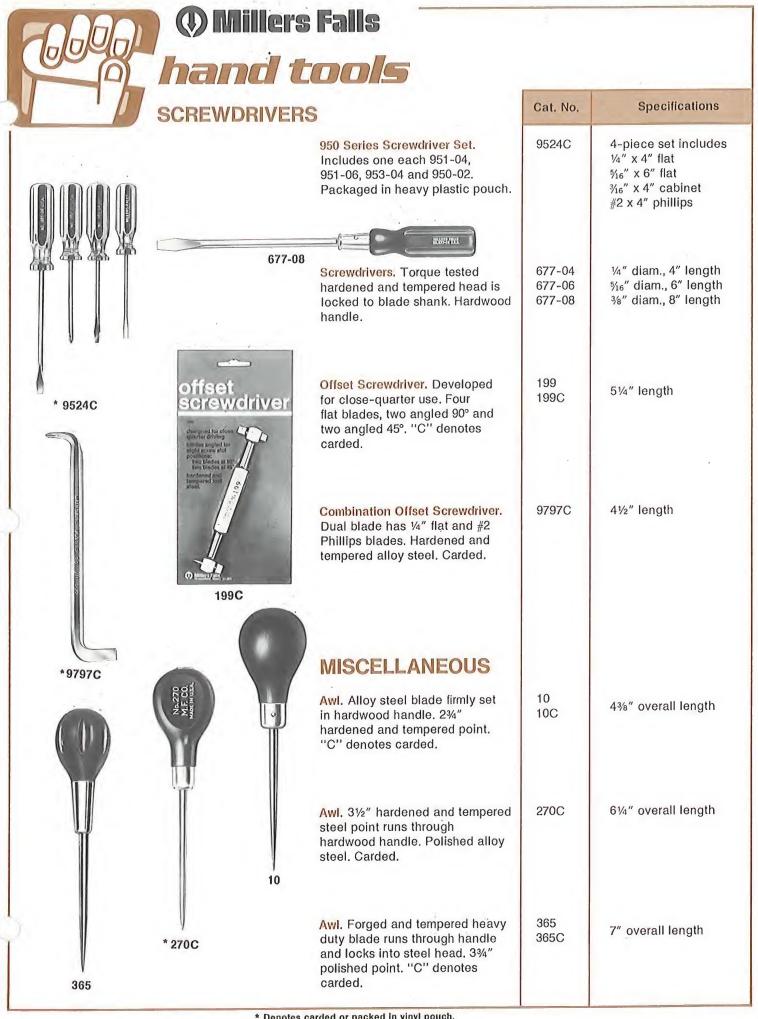








Cat. No.	Point Size	Blade Length	Shank Diam.	
	DI-III.	an Hand		
EEO 040		os Head		
550-01C 550-02C	#1 #2	3" 4"		
	Round	d <mark>S</mark> hank		
551-03C		3"	1/4"	
551-04C 551-06C		4" 6"	1/4" 1/4"	
	Cabin	et Blade		
533-04C		4"	¾16″	
	Pocke	et Blade		
555C		2"	1/8"	
				(
	Phillie	s Head		
4455	#1	3"		
4456	#2	4"		
4457	#3	6"	ank	
Elec	tricians'	Round Sh		
4463		3" 4"	1/4"	
4464 4465		6"	¾16″ ¾16″	
Med	hanics'	  Round Sha	ank	
4450		3"	3/16"	
4451 4452		4" 6"	1/4" 5/16"	
4453		8"	3/8"	
 Mechanics' Square Shank				
4459		4"	1/4"	
4460 4461		6" 8"	5/16" 3/8"	
4462		10"	3/8"	
	Stubby	Square		
4454		11/2"	1/4"	(
	Stubby	Phillips		
4458	#2	1 1/2"		



<sup>\*</sup> Denotes carded or packed in vinyl pouch.



# (I) Millers Falls

## hand tools

### **MISCELLANEOUS**



7-Piece Carving Tool Set. For intricate carving in wood, soap and linoleum. Forged tool steel, heat treated, polished and ground. Six different shaped cutting tools and special sharpening stone. Carded.

For soap steel,

107C All 5" long

Cat. No.

106C

Specifications

All 61/4" long





Deluxe 6-Piece Carving Tool Set. Five different cutting tools and special sharpening stone. Maple handles fit snugly into palm for improved control. Carded.

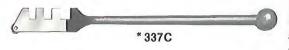
107C

### **GLASS CUTTERS**



Glass Cutter. Turret head cutter has six wheels mounted on numbered turret axle. Carded.

1-01C 5%" long



Glass Cutter. Heavy cast iron cutter shaped to fit fore finger and thumb. Three breaker notch widths. Carded.

337C 5" long



Professional Glass Cutter.

Designed for glass factories and frequent users. Precision ground carbide wheel. Three ground notch widths. Carded.

66C 5¼" long

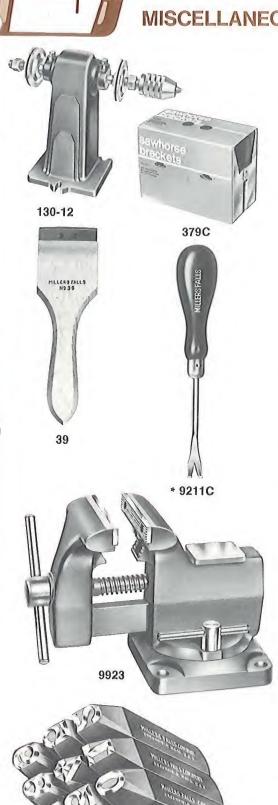
Glass Cutter Replacement Wheels. For use with above glass cutters.

9001 For D-01 For 66-01 For

For 1-01C For 337C For 66C

<sup>\*</sup> Denotes carded or packed in vinyl pouch.

# Millers Falls hand tools MISCELLANEOUS



1550-01

Polishing Head. Complete with
3/8" chuck. Pulley for V or
round belt with 1/2" spindle
diameter. 521/32" from shaft
center to base

Sawhorse Brackets. Heavy
gauge pressed steel brackets
for standard 2x4's. Special.
display package.

Wood Scrapers. Tempered tool
steel blade has four scraping
edges-two edges ready for
use, two edges available by
reversing blade. Paint brush
type hardwood handles.

Wood Scraper Replacement
Blades. For use with above
Wood Scrapers.

Tack Claw. Forged claw with
bevel ground blade. Handy for
any size tacks, brads. Carded.

Bench Vise. 11 lb. vise features
pipe holding jaws and swivel
base. Jaws tempered and
hardened.

Bench Vise. 13 lb. vise features
pipe holding jaws and swivel
base. Jaws tempered and
hardened

Steel	Letters	and	Figures.
0.000	HOLLOID	circi	i igui co.

Machine cut from precision
master dies. Cleaner, sharper
characters. Hardened and
tempered heads and faces.
Gothic Type. "A" through "Z"
letters, 0 through 8 figures (6
reverses for 9).

1550-01

1550-02

1550-03 1550-04 1550-05 1550-07

1550-08

1/16" height

3/32" height

%" height %" height %" height %" height %" height %" height

1/2" height

Cat. No.	Specifications
130-12	%″ chuck, ½″ spindle
379C	For standard 2" x 4" lumber
51 39	1½" cutter 2½" cutter
346 356	For Model 39 For Model 51
9211C	7" length
9923	3½″ jaw width, 3″ opening
9924	4″ jaw width, 3¾″ opening
1500-01 1500-02 1500-03 1500-04 1500-05 1500-07 1500-08	STEEL LETTER SETS  1/46" height 1/32" height 1/4" height 1/4" height 1/4" height 1/4" height 1/2" height 1/2" STEEL FIGURE SETS
4550.04	STEEL FIGURE SETS

<sup>\*</sup> Denotes carded or packed in vinyl pouch.

Wrecking Bar. Drop forged

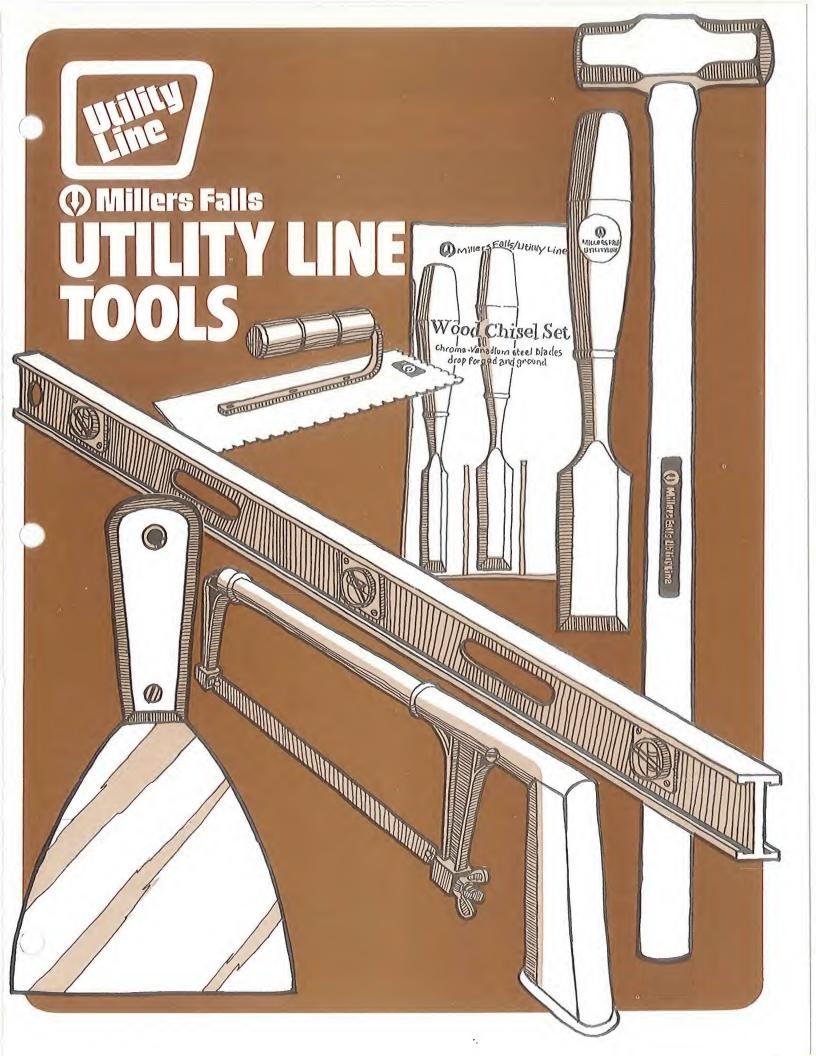
alloy steel with polished chisel and deep beveled nail claw.

24" long, 23/32"

hex shank

224-11

224-11



# Millers Falls Utility Line... the "more-for-your-money" tools

With the growing inflation, you can count on Millers Falls to come up with a value engineering approach to a less expensive tool. Each tool has been analyzed for function and durability under ordinary handyman usage. Each

78

tool has had the frills cut — to keep your cost down — without sacrificing its function and usefulness. The result is **Utility Line...** hard working tools that are easy on your wallet.

## warranty

Millers Falls warrants to the original purchaser for (1) one year from date of purchase, to correct by repair or parts replacement at no charge, any defect which upon our examination proves to have been caused by faulty materials or workmanship. This warranty does not cover abuse, normal wear or careless handling and is void if the tool has been repaired or serviced by personnel not authorized by Millers Falls. Simply return the tool (properly packed with all transportation charges prepaid) to the nearest Millers Falls Distribution Center or Authorized Service Station. No other warranty, however expressed or implied, on our products is authorized by us.

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NAIL HAMMERS	S	Cat. No.	Specifications
90078	Steel Shaft Hammers. 16-ounce heavy forged alloy steel head with tubular steel shaft. Features comfortable "Cushion-Grip" handle. Made in Spain.	90077 90078	16 oz. ripping claw 16 oz. curved claw
90077	Hardwood Handle Hammer. 16- ounce rugged, curved claw hammer with polished face, head and claw. Clear grain, flame treated and lacquered hardwood handle.	90053	16 oz. curved claw
90053	Octagon Pattern Hammers, Fully polished, epoxy bonded head with octagon pattern, and flametreated hardwood handle.	90110 90111 90112 90113 90114	13 oz. curved claw 16 oz. curved claw 16 oz. ripping claw 20 oz. curved claw 20 oz. ripping claw
90113	Hammer Holster. Full grain russet leather with belt loop. For use with all nail hammers.	90054	For all nail hammers
90054  Grant Barrier B	HEAVY HAMMERS  Hand Drilling Hammers. Hardened, tempered steel head with machined and polished faces, treated with rust preventative. Handle is grade "A" firehardened hickory, and epoxy bonded to head for permanent tightness.	90011 90012 90013	2 lb., 10½" handle 3 lb., 10½" handle 4 lb., 10½" handle
90011	tightness.  Double Face Mechanics' Hammers. Hardened, tempered steel, double-faced heads with machined and polished faces, treated with rust preventative.  Grade "A" fire-hardened hickory handle epoxy bonded to head to ensure permanent tightness.	90014 90015 90016	2 lb., 16" handle 3 lb., 16" handle 4 lb., 16" handle
	and Transmission		
90017	Sledge Hammers. Hardened, tempered steel head with machined and polished face, treated with rust preventative. Handle of grade "A" firehardened hickory, epoxy bonded to head for permanent tightness.	90017 90018 90019 90020	6 lb., 36" handle 8 lb., 36" handle 10 lb., 36" handle 12 lb., 36" handle



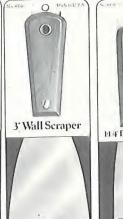
# **Millers Falls**

# utility line

#### **SCRAPERS & KNIVES**



90042



90040



90038

Putty Knives. 1 1/4" wide blade of fine satin-finished steel. Stained hardwood handle with metal lined hang hole.

Spackling Knives. 5" wide blade of fine satin-finished steel with stained hardwood handle. Metal lined hang hole.

### **SCRAPERS**

Wall Scrapers. 3" wide blade of fine satin-finished steel. Stained hardwood handle has metal lined hang hole.

**UTILITY KNIVES** 

safety blade locks in four positions. Extra blade storage in handle. Gold finish. Carded.

included, Carded.

alloy steel. Carded.

trimming. Carded.

Carded.

Retractable Utility Knife. 6" die-

Fixed Blade Utility Knife. Solid

die-cast zinc handle, 51/2" long. Smooth, comfortable grip. Five heavy duty .025 gauge blades

Utility Knife Blades. Package of

five extra heavy duty .025 blades

designed to fit all standard size utility knives. Double honed

Miniature Utility Knlfe. 21/2" die-cast construction. Safe retractable blade locks in four positions. Extra blade storage in gold finish handle. Excellent

for close quarters, scoring or

Miniature Utility Knife Blades. Package of five replacement blades for all miniature utility knives. Double honed alloy steel.

cast alloy steel case. Retractable

Cat. No.	Specifications
90038 90039	1¼" wide blade, carded 1¼" wide blade, non-carded
90042 90043	5" wide blade, carded 5" wide blade, non-carded
90040 90041	3" wide blade, carded 3" wide blade, non-carded
90005	6" long
90079	5½" long
90006	Pkg. of 5
90007	2½″ long

90008

Pkg. of 5

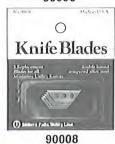




90005



90007



Knife Blades 90006

90	000	
N=30%	74 x 6 12 6 4	
	0	
Knife	Blades	
3 Replacement Blades for all Minimum Links, Ko	Anable based sempered allow steel here.	
	(D)	
(I) hance i faith the	. jjil-ra	

# (In Millers Falls)

# utility line

### **SCREWDRIVERS**





Bucket of Screwdrivers. Fortyeight total pieces, six different types. Wide fluted plastic handles of red and black provide extra firm grip. Included are cardboard bucket and display header. Cat. No.

90000

90001

90088

90057

90109

90044

90093

Specifications

48-piece assortment

3/16" and 31/2" and 4"

phillips screwdrivers.

Includes:

3/16" x 6"

1/4" x 4"

Four-piece set

4" cabinet

3" phillips

1/4" x 4" cabinet

5/16" x 6" cabinet

Standard 2" x 4" lumber

New 11/2" x 31/2" lumber

8", 10" and 12" blade

capacities, 31/2" throat

10" and 12" blade

capacity, 3" throat

Includes:

26", 8 pt.

Screwdriver Set. Four-piece set includes three cabinet blades and one phillips head. Hardened and tempered alloy steel blades. Clear plastic handle with red stripes. Packed in vinyl case.

#### HAND SAWS



0

90000



Saw Horse Brackets

90057

Hand Saw. Fine tempered, alloy steel blade with black plastic handle. Ideal for all-around home and hobby use.

Sawhorse Brackets. All purpose with flanged nail holes for quick and sturdy assembly.





Adjustable Hack Saw.
Accommodates 8", 10" and 12"
blades. 3½" throat depth.
Four-position adjustment for

Four-position adjustment for vertical or left and right cutting. Plastic handle. Blade included.



Adjustable Tubular Hack Saw. Tubular steel frame and die-cast metal handle for rigidity. Adjustable for 10" and 12" blades. 3" throat depth.

Four-position adjustment for vertical or left and right cutting. Blade included.



Adjustable Economy Hack Saw. Accommodates 8", 10" and 12" blades. 31/8" throat depth. Light duty steel stamped frame with plastic handle. Blade included.

90065 8", 10" and 12" blade (capacities, 31/4" throat depth

depth

depth



# **Millers Falls**

# utility line

**BACK SAWS** 



Mitre Kit

MITES BOX

Refer (rate 12" Bod See & Bod Righ Kana bet consumer to a paryond far the dead arte, but will harde peak a bid 4" rate can point 45" 50° mins.

Millers Falls Vullity Line

90009

Back Saws. Fine back saw of tempered alloy steel with hardwood handle. For use with 90104 and 90105 mitre boxes.

# 90098 12" long 90099 14" long

90009

90105

90010

90106

90107

90108

90118

90119

90120

90121

90122

90123

90124

90125

90100

#### **MITRE BOXES**

Mitre Box Kit. Includes 12" back saw of tempered alloy steel with file sharpened blade and 16" long rock maple mitre box, kiln dried. Handles stock a full 4" wide. Cuts 45° to 90° mitres. Packaged in display carton.

90104 12" long x 5" wide

6" diameter

16" long x 5" wide

Cuts 1/16" to 1" wide

Fits 1/2" or 5/8" arbor

6½" diam., 8 tooth 7¼" diam., 8 tooth

8" diam., 8 tooth

61/2" diam.

71/4" diam.

61/2" diam.

71/4" diam.

1/4", 1/2" and 1" wide

7" diam.

8" diam.

blades

7" diam.

8" diam.

16" long x 5" wide

Mitre Boxes. Kiln dried rock maple mitre box with 5" wide lipped front to hold box to work bench.

### SAW BLADES

Dado Set. Two 6" combination blades and seven 1/16" chippers. For use on any 1/2" or 5%" arbor. Provides 1/16" to 1" wide cuts. Display Package.

Carbide Tipped Circular Saw Blades. Finest quality steel carbide tipped blades for faster cutting, longer life. Carded.

Chisel Tooth Circular Saw Blades. Fine quality steel for long lasting sharpness. Carded.

Fine Tooth Circular Saw Blades. Fine quality steel for long lasting sharpness. Carded.

#### **CHISELS**

Wood Chisel Set. High quality chrome-vanadium steel blades with fine ground points. Black plastic handles. Plastic pouch. Made in Spain.

Dado Set

90010

Millers Falls Willty Line



90100

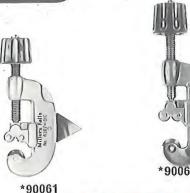


90106

# **Millers Falls**

# utility line

## **TUBING CUTTERS**



Tubing Cutter. Hardened alloy cut-off blade set in rollers. Retractable reamer blade. Cuts 1/8" to 11/8" outside diameter tubing, Plastic handle, Made in Spain. Carded.

Cat. No.

90060

90061

90037

90025

90026

90027

90059

90004

90030

90003

90034

90035 90036 Specifications

1/8" to 11/8" O.D.

1/8" to 5/8" O.D.

capacity

capacity

36"/1 meter

6 ft./2 meter

10 ft./3 meter

12 ft./31/2 meter

12" x 11/2" body,

18" long, 2 vials

24" long, 2 vials

48" long, 3 vials

8" x 1" tongue

6 ft. long

Mini-tubing Cutter. Specially designed for cutting copper, brass, aluminum and thin wall steel conduit in close quarters. Cuts 1/8" to 5/8" outside diameter tubing. Made in Spain. Carded.

#### MEASURING INSTRUMENTS

THE REPORT OF THE PARTY OF THE PARTY OF THE PARTY. 90037

90059

90025

0 ----

Sliding T-Bevel

90030



Metric/English Yardstick. Fine aluminum yardstick with black numerals for easy reading. Inches facing one direction, metric facing opposite. Conversion table on surface.

Metric/English Tape Measures. Yellow blade with metric marking in mms, and cms, and English in inches and feet. High impact plastic case. Carded.

Carpenters' Square. Black rafter-framing square with easy-to-read white graduations. in 12ths and 8ths one side, 8ths and 16ths other.

Folding Rule. Black numerals on white body. Best hardwood with rustproof, brass plated joints. Carded.

T-Bevel. Adjustable sliding unit provides testing measure for beveled and chamfered edges, mitred ends. For use in laying off mitres and duplicating lines drawn at same angles. Carded.

Magnetic Stud Finder. Points to nails, locates studs behind wallboard, plaster, paneling. Eliminates ugly holes where studs were missed and walls defaced.

Aluminum Levels, Extruded aluminum frame with vials and holders made from high impact resistant plastic. vials are 40% larger than standard glass for improved reading. Vials are fully adjustable and can be arranged in all plumb or level positions. Top edges graduated.

անով նվակարում ունդերիականություն արդերիականություն կանակարկերի անկա ទីតែរង់រាជទៅរាជនដែលជាំការសំពេលនៃជាសំពេលនៃការដែលជារំបាជនដែលនៃ បើ Rule

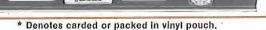
Allera Falls. Utiky Line

90004



90003

84





# (1) Millers Falls

# utility line

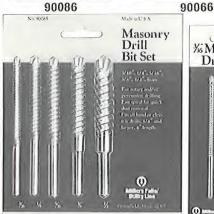
### DRILL ACCESSORIES





Drill and Countersink Set. Hardened and tempered blades. 1/4" shank fits all hand and power drills. Includes bits for most popular wood screw sizes. Carded.

Drill-Router, Unique design which not only drills, but also enlarges holes bored in wood. Can be used to achieve decorative effects. High speed steel, Carded.





90080

90045

Masonry Drill Bits. Shock-proof carbide-tipped for rotary and/or percussion drilling. Specially designed spirals for faster dust removal. Fits all hand and power drills 1/4" or larger. 1/4" shank. Carded.

90084 1/2" diam. x 4" long 90085 1/4" shank

Cat. No.

90066

90086

90080

90081

90082

90083

90087

90045

90046

90047

90048 90049

90050

90051

Specifications

1/4" shank, 5 depth sizes

4-5, 6-7, 8-9, 8-9,

3/16" diam. x 4" long

1/4" diam, x 4" long

5/16" diam. x 4" long

3/8" diam, x 4" long

3/16", 1/4", 5/16", 3/8" and

1/16", 5/64", 3/32", 7/64", 1/8",  $\frac{9}{64}$ ",  $\frac{5}{32}$ ",  $\frac{3}{16}$ ",  $\frac{7}{32}$ " and

3/8" diam., 1/4" shank

1/2" diam., 1/4" shank

5%" diam., 1/4" shank

3/4" diam., 1/4" shank

7/8" diam., 1/4" shank

1" diam., 1/4" shank

3/8", 1/2", 5/8", 3/4", 7/8"

and 1" diam. bits

1/4" shank

1/2" diam, bits

1/4" shank

1/4" diam. bits

and 10-12

1/4" shank

90085



Masonry Drill Bit Set. Five piece set includes one each of above bits, 1/4" shank, Carded.

High Speed Drill Bit Set. Ten piece set includes sizes 1/16" to 1/4". Excellent for drilling wood, steel, plastic, laminates. Plastic storage case. Carded.

tempered high carbon tool steel. 43/4" cutting depth for all general wood boring with high speed power drills. Ideal for boring straight and angle holes in hard and soft woods, plywood and plastics. Carded.

Power Bits. Hardened and

Power Bit Set. Six piece set includes one each of above bits. Packed in vinyl pouch.



90051



	J. C. Marine	0000
20		
90055	Upiece Societ Set	



90062

Wrecking Bars. Heavy duty drop forged alloy steel.

Locking Grip Pliers. Locks vise tight with variable adjustments. Quick-action release. Made in Spain.

Socket Set. 21-piece 1/4" and 1/2" hex drive. Heat treated and plated handles and sockets. Handy vinyl pouch with steel tray for sockets.

Pipe Wrenches. Heavy duty alloy steel jaws with milled and heattreated teeth. Made in Spain.

90031	18" long
90032	24" long
90033	30" long
90055	5" long
90056	10" long
90002	21-piece set, ¼" and ½" hex drive
90062	8" x 1"
90063	10" x 1½"
90064	14" x 2"

Specifications

Cat. No.

## VACUUM CLEANER

Model 90028

Heavy Duty Indoor/Outdoor Vacuum. Great addition to any home or shop. Picks up all dry materials such as sawdust, wood shavings, leaves, grass clippings. Perfect for auto, pool, cottage or home workshop. Plastic housing with precision built motor. Includes flexible hose, 6" nozzle, cloth filter and five paper filters. Motor: 115 Volt, 50/60 Hz, 7.5 Amps, 840 Watts, AC-DC.







# **Millers Falls**

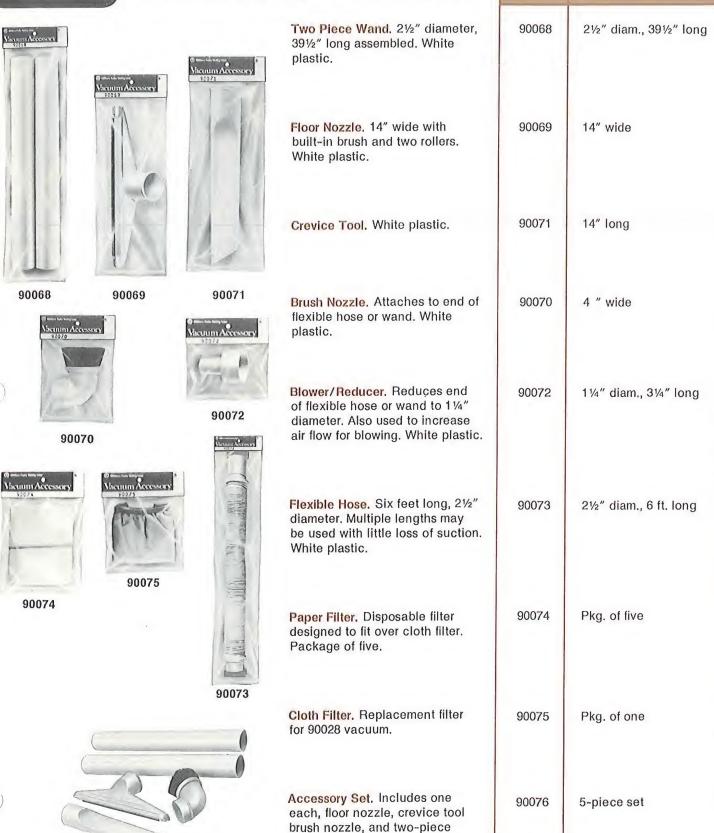
# utility line

## **VACUUM CLEANER ACCESSORIES**

Cat. No.

Specifications

87



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# (I) Millers Falls

# utility line

**SOLDERING GUN & KIT** 



Complete With

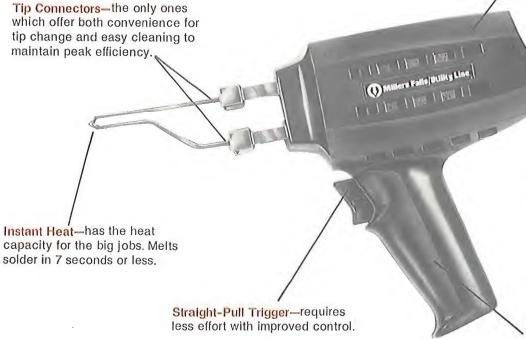
- Model 90091 Soldering Gun
- Soldering Tip
- Cutting Tip
- Solder
- Tip Wrench
- Durable Plastic Carrying Case



Cat. No.	Des- cription	Watts	Amps	Volts
90091	Soldering Gun	150	0.0	445 405
90092	Soldering Gun Kit	ng	115-125	

Model 90091 Soldering Gun

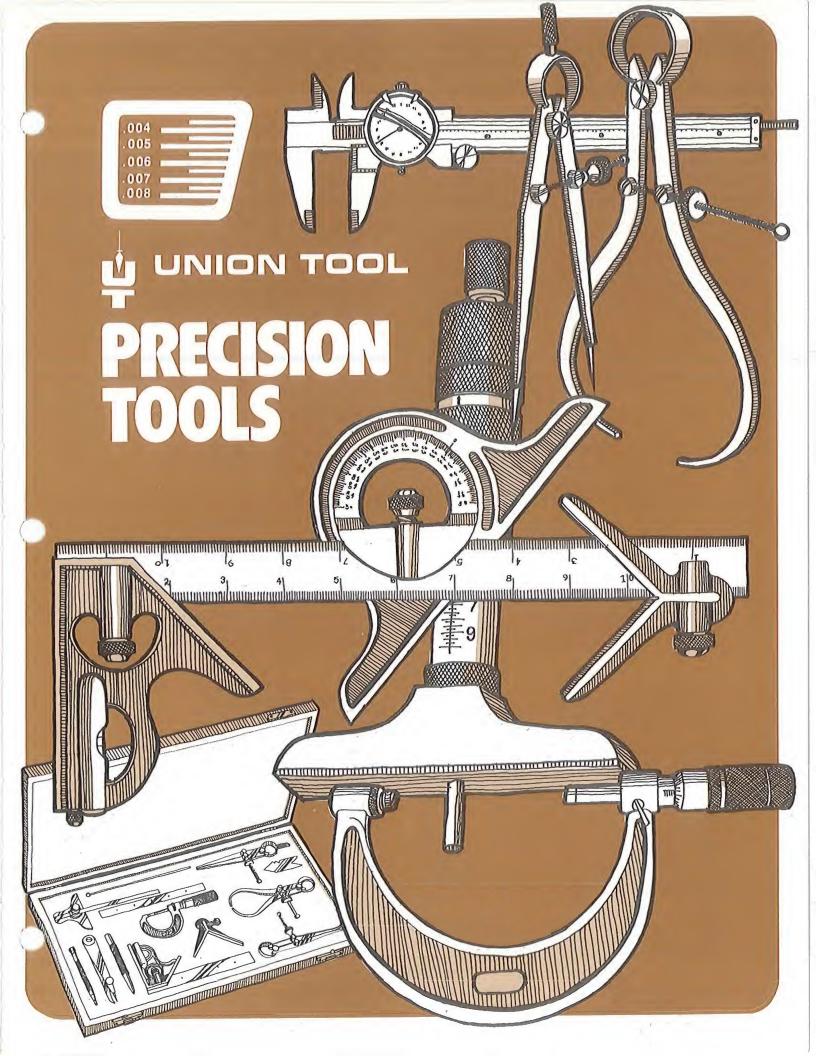
Stronger—high impact, heat resistant ABS Thermo Plastic frame is non-burning and crack resistant for extra safety and durability.



Modern Functional Design allows gun to rest in safe position with tip pointing up away from work surface.

Balanced Design and Easy Gri Handle—provides superior handling while reducing fatigue.

Note: For Soldering Gun Replacement Tips, See Page 48.



#### Union Tool . . . the Professional's choice

Union Tools are manufactured to the highest standards of the American Precision Tool Industry. They are designed by professionals for use by professionals. Lasting accuracy, convenience and smooth operation are the benefits of superior craftsmanship and "tripletested" tool steel. Attention to every detail in the manufacturing process means years of service in the field even under hard usage — which is what it sometimes takes to get the job done.

Component parts are individually lapped

and fitted for squareness and parallelism. Our special etching techniques, for example, produces an extremely fine graduation line which ensures accuracy which is often lost with heavier markings.

And, Union Tools are polished, brushed, hardened, ground, tempered, etched and finished to look as good as they really are. Quality work begins with quality tools. So, for the professional machinist, carpenter, craftsman or artisan, it's **Union Tools**...another member of **The Tool Group**.

## warranty

Every tool stamped with the Union brand name is warranted free from imperfections and defects in material or workmanship. Our obligation under this warranty is expressly limited to the following: If any tool proves to be imperfect or defective under conditions of normal use, we agree to repair or replace the tool, if immediately returned to the nearest Millers Falls Distribution Center, transportation charges prepaid. Under no circumstances, however, do we assume responsibility for breakage where flaws do not appear or for tools which have suffered from abusive treatment or which have been stamped with the owner's markings, changed or experimented upon.

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# UNION TOOL precision tools

# NEW! Union Precision Tool Display Merchandise

New pre-pack cabinet merchandiser offers most popular and profitable Union brand precision tools.

If you're not taking advantage of the highly profitable and fast turn precision tool business, then here's a great opportunity to get started now! Millers Falls new No. U2444 merchandiser can open the door to this profitable and rapidly expanding market.

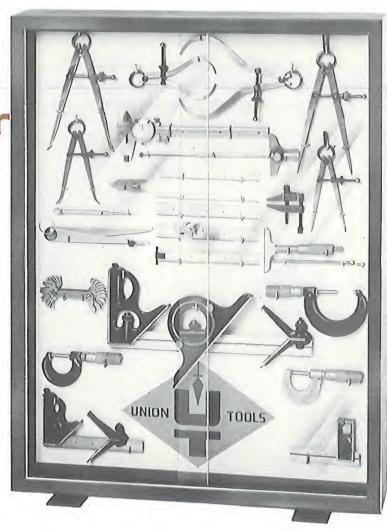
We've selected the most popular Union brand precision tools and put them in an attractive custom display cabinet that features plexiglass sliding doors, security lock and retractable steel legs for use on counter, shelf or window.

Cabinet is also equipped with removable hooks for use on standard pegaboard wall fixtures.

Compact and highly visible unit displays over \$250 worth of precision tools in less than one square foot of selling space.

This quality \$50 value display can be yours absolutely free of charge by simply ordering No. U2444 Precision Tool Merchandiser Package.

Contact your Tool Group representative today. He'll put you on your way to bigger profits.



#### No. U2444 Union Precision Tool Merchandiser Package

					O
CAT. NO.	DESCRIPTION	QUANTITY	CAT. NO.	DESCRIPTION	QUANTIT
U10-4	Spring Divider	3	U405-5	Flexible Rule	4
U10-6	Spring Divider	3	U425-6	Flexible Rule	4
U12-4	Outside Caliper	3	U426-6	Flexible Rule	2
U12-6	Outside Caliper	3 3 3 3 3	U430	Narrow Rule	2 2 6
U14-4	Inside Caliper	3	U441	Center Gauge	6
U14-6	Inside Caliper	3	U458	Dial Caliper	1
U19-6	Hermaphrodite	3	U550	Machinist Clamp	5
0100	Caliper	•	U625-44	Double Square	2
U50	Thread Gauge	2	U811	1" Micrometer	1
U206-24	Machinist Square	2	U812	2" Micrometer	1
U212-34	Machinist Square Set	2 2 3	U831CT	Satin Chrome Micrometer	1
U317	Pocket Scriber	6	U833	Depth Micromete	r 1
U331 U401-1	Angle Depth Gaug	e 2 2	U2114	Cabinet Display (\$50 Value)	1



U212-16

92

#### Combination Squares.

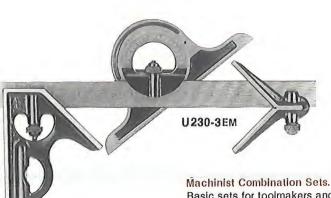
Cast hard gray iron square and miter head with black enamel finish. Fully hardened and tempered steel blade with etched graduations and double inch figures. Quick reading figures on fine graduations. Meets Fed. Spec. Type VI, Class A.

	U212-24 U218-24 U224-24	12" 18" 24"	One face 8ths and 16ths, Other face 32nds and 64ths
S	U212-26	12"	One face 32nds and 64ths,
	U218-26	18"	Other face 50ths and 100ths
			(
	U204-24	4"	One face 8ths and 16ths,
	U206-24	6"	Other face 32nds and 64ths
s	U204-26	4"	One face 32nds and 64ths,
	U206-26	6"	Other face 50ths and 100ths
	*		
	U204-14	4"	One face 8ths and 16ths,
	U206-14	6"	Other face 32nds and 64ths
	U204-16	4"	One face 32nds and 64ths,
	U206-16	6"	Other face 50ths and 100ths
			*
	U212-14 U218-14 U224-14	12" 18" 24"	One face 8ths and 16ths, Other face 32nds and 64ths
	U212-16	12"	One face 32nds and 64ths,
	U218-16	18"	Other face 50ths and 100ths



# UNION TOOL precision tools

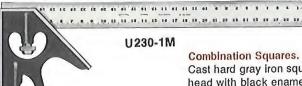
# METRIC & METRIC/ENGLISH TOOLS



Basic sets for toolmakers and machinists consisting of square and milter head, center head and bevel protractor, made of cast hard gray iron. Blade fully hardened and tempered. Etched graduations and figures. Double indexed protractor graduated 180 degrees in both directions. All cast Iron parts finished with durable black enamel.



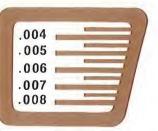
Combination Squares With Center Head.
Cast hard gray iron square head and center head with black enamel finish.
Fully hardened and tempered steel blade with etched graduations. Full bedded level vial with double, black hair-lines and cats-eye filler.



Cast hard gray iron square and miter head with black enamel finish. Fully hardened and tempered steel blade with etched graduations.

Replacement Square Blades. Fully hardened and tempered steel blade with etched graduations.

Cat. No.	Blade Length	Graduation						
U230-3M	30 Cm.	Metric One face: mms Other face: one edge mms other edge ½ mms						
U230-3EM	12"	Metric/English One face: 32nds and 64ths in. Other face: one edge mms other edge ½ mms						
U230-2M	30 Cm.	Metric One face: mms Other face: one edge mms other edge ½ mms						
U230-2EM	12*	Metric/English One face: 32nds and 64ths in. Other face: one edge mms other edge ½ mms						
U230-1M	30 Cm.	Metric One face: mms Other face: one edge mms other edge ½ mms						
U230-1EM	12"	Metric/English One face: 32nds and 64ths in. Other face: one edge mms other edge ½ mms						
U230-M U230-EM	30 Cm. 12"	Metric Metric/English						



# UNION TOOL precision tools



#### MACHINIST DOUBLE SQUARES

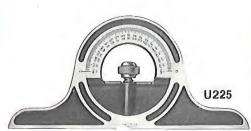
Machinist Double Squares. Precision ground hard gray iron casting. Fully hardened and tempered steel blade with etched graduations. Used as double square for checking inside and outside squareness. Can be used as a parallel.

#### MACHINIST SQUARE BLADES

Machinist Square Blades, Fully hardened and tempered tool steel blades suitable for use as straight edge. Machine subdivided. Acid etched black figures and graduations. Double inch figures on 12", 18" and 24" blades. Quick reading figures on fine graduations. Non-reflecting satin brushed finish.



Cat. No.	Blade Length	Graduation
U625-44 U625-64 U625-46 U625-66	4" 6" 4" 6"	One face 8ths and 16ths, Other face 32nds and 64ths One face 32nds and 64ths, Other face 50ths and 100ths
U204-4 U206-4 U212-4 U218-4 U224-4	4" 6" 12" 18" 24"	One face 8ths and 16ths, Other face 32nds and 64ths
U204-6 U206-6 U212-6 U218-6	4" 6" 12" 18"	One face 32nds and 64ths Other face 50ths and 100ths
U230-M		Metric One face: mms Other face: one edge mms other edge ½ mms
U230-EM		Metric/English One face: 32nds and 64ths In. Other face: one edge mms other edge ½ mms



94

#### BEVEL PROTRACTORS

Bevel Protractor. Double indexed protractor graduated 180 degrees in both directions can be read from either Index. Body has wide base for support when used with blade in vertical position. Wide base facilitates use as depth gauge and inclinometer. Level vial has steel guard.



#### MACHINIST SQUARE HEADS

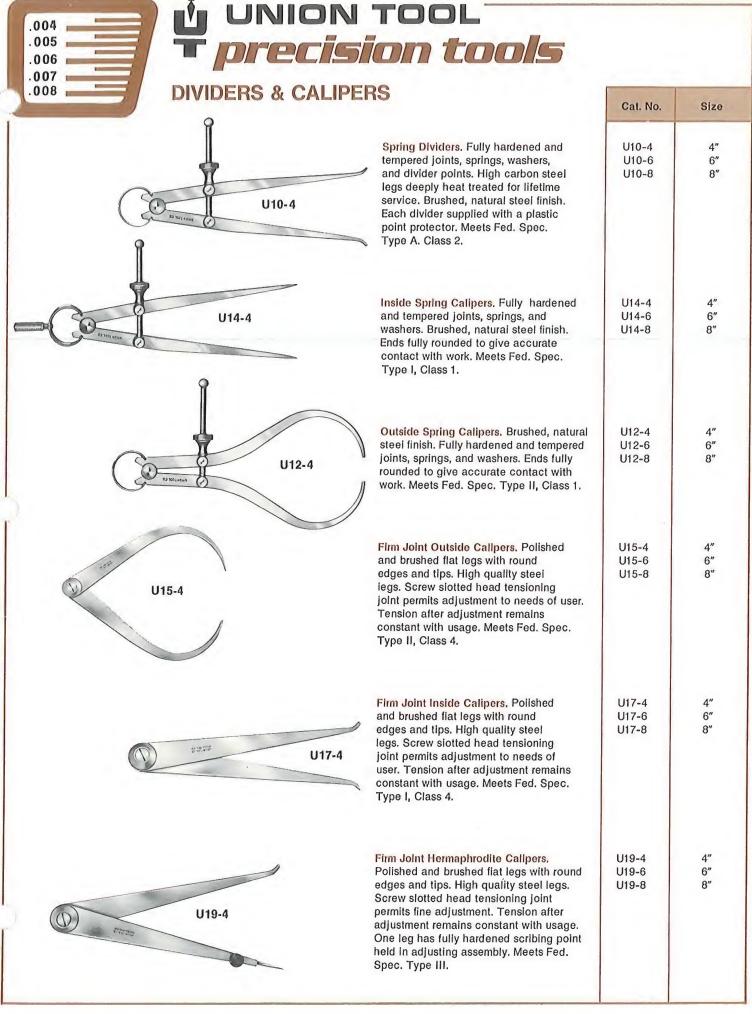
Machinist Square Heads. Hard gray Iron heads with durable black enamel finish. Steel parts, brass scriber bushing, and cateye level vial. All working surfaces precision machined and tested.



#### MACHINIST CENTER HEADS

Machinist Center Heads. Hard gray iron body with black enamel finish. Steel parts. Precision tested.

	One face: 32nds and 64ths In. Other face: one edge mms other edge ½ mms
Cat. No.	Specifications
U225	One level vial Graduated 180° both directions Double indexed
U200 U201	For 4" and 6" blades For 12", 18" and 24" blades
U202 U203	For 4" and 6" blades For 12", 18" and 24" blades



# ប់ UNION TOOL precision tools

Cat.

U405-5

U423-6

U423C-6

6"

6"

1/2"

1/2"

.015"

.015"

One face 10ths

face 32nds and

64ths

and 100ths, other

#### PRECISION RULES

Machinist Rules. Spring tempered, tool steel, precision ground rules. Machine subdivided, acid etched graduations. Satin brushed finish. Meets Federal Spec. Type IV, Class 1. "C" denotes chrome finish.

U405-5

Hook Rules. Spring tempered, tool steel, precision ground rules. Machine cut graduations. Quick reading figures on fine graduations. Double hook rigidly held by eccentric stud. "C" denotes chrome finish.



U401-1



Narrow Rule. Spring tempered, tool steel, precision ground rule. Machine cut graduations.

U420-6

Flexible Steel Rule. Fully flexible tempered rule steel .015" thick. Precision ground. Machine subdivided, acid etched graduations one face only. Satin brushed finish.

96

U425-6

Flexible Steel Rules. Fully flexible, tempered, rule steel, precision ground. Machine subdivided acid etched graduations. Satin brushed finish. Quick reading figures on fine graduation face. "C" denotes chrome finish.

#### PRECISION RULES

Union brand rules are made to the highest standards of the American Precision Tool Industry. These precision scales are machine divided, acid etched, and precision ground. They are finished to the most critical tolerances.

Our special etching techniques produce an extremely fine graduation line which insures an accuracy lost with the heavy, wide graduation lines found on many competitive products.

When precision counts, your choice should be a Union rule.

Pocket Rules, Etched stainless steel rule with decimal equivalent charts on back. Graduated in 32nds & 64ths with "easy reading" numbering. Precision etched, unground edges.

inggart - Leingart Laugeart - Laignacht - Làideart Chairealt-Bhagagart Laungart Laungard Laungart Laungart Laungart

U500

uvenni i materi i latare i materi i latare i lat

U423-6

Flexible Rules, All purpose graduation, precision rule. Standard 32nd and 64ths on one face, 10ths and 100ths for fine work on other face. Fully flexible, tempered rule steel. Master precision ground, satin brushed finish, quick reading figures on all graduations. "C" denotes Chrome finish.

One face 8ths U405C-5 6" 3/4" and 16ths. U405-8 12" other face 32nds U405-10 1" 18" and 64ths 24" 1" U405-13 U405-7 6" 3/4" One face 32nds and 64ths. U405-9 12" 1" 1" U405-11 18" other face 50ths U405-14 24" and 100ths One face 8ths U401-1 6" 3/4" U401-3 12" 1" and 16ths. U401-5 18" 11/8" other face 32nds U401-7 24" and 64ths 11/4" 6" One face 32nds U401-2 3/4" 1" U401-4 12" and 64ths. U401-6 18" 11/8" other face 50ths U401-8 24" 11/4" and 100ths U430 6" Two edges only, 7/32" 32nds and 64ths 6" 1/2" U420-6 .015" Two edges only, 32nds and 64ths .015" U425-6 6" 1/2" One face 8ths U425C-6 6" 1/2" .015" and 16ths. other face 32nds and 64ths U426-6 6" 1/2" .015" One face 32nds and 64ths, U426C-6 6" 1/2" .015" other face 50ths and 100ths 6" U426S-6 1/2" .015" One face 32nds U426SC-6 6" .015" and 64ths, 1/2" other face 10ths and 50ths 6" U500 32nds and 64ths 6" with pocket clip U505

Thick-

ness

Graduations

Length Width

3/4"

6"

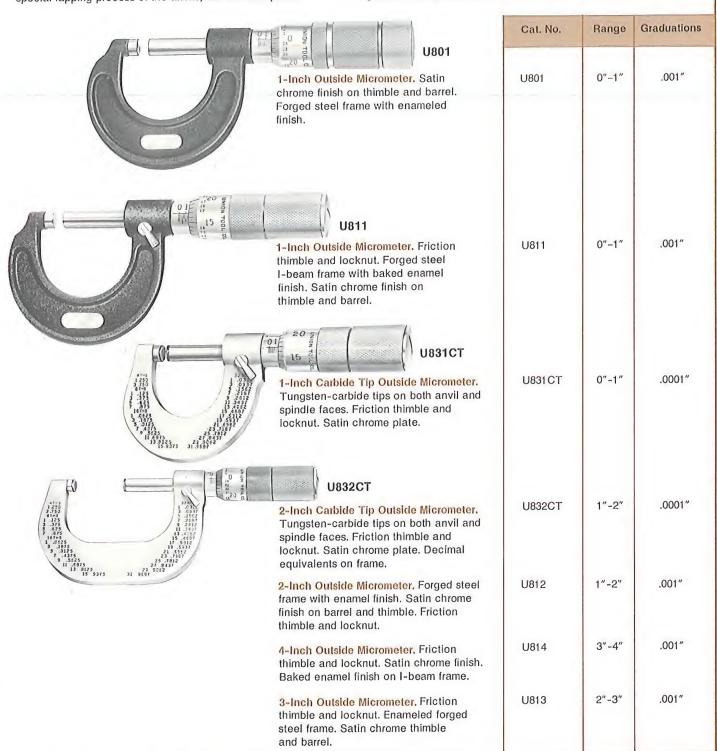
#### PRECISION MICROMETERS

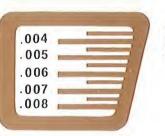
Union Micrometers are designed for lasting accuracy, convenience, and smooth operation. Here are precision built micrometers of superior craftsmanship and tool room accuracy.

The forged steel frames are designed for balance and will withstand years of hard usage. The one-piece spindle and screw are made of the finest, triple-tested tool steel. Spindles are individually lapped and fitted into each micrometer. A special lapping process of the anvils, and the one piece

spindle and screw, provide squareness and parallelism.

Where supplied, the friction thimble provides one hand friction control throughout the entire measuring range. The knurled section of the thimbles are proportioned such that one can use direct feel or friction stop control. The thimble and barrel are of generous proportion, allowing extra space between graduations for easier reading. All thousandths graduations are numbered and can be read directly.





# ប្រាលា Tool precision tools



4-Inch Range Micrometer Kit. One micrometer that can do the work of four. Three interchangeable extensions, individually adjustable, enable one to measure any item from 0"-4". Crowned face on anvil prevents gagging. Complete with three standards. Satin chrome finish, forged I-beam frame, friction thimble and lock nut. Supplied in fitted leatherette case.

Cat. No.

U824

U833

U834

U833-2

Range

0"-4"

0"-3"

0"-3"

4"-6"

7/16" x 4" base

7/16" x 21/2" base

Graduations

.001"

.001"

.001"



3-Inch Depth Micrometer Kit. For accurate measurement of depth of holes, slots, shoulders, and projections.

Measures by 1/1000. Three measuring rods give 0"-3" capacity. Satin chrome finish. Furnished complete with fitted leatherette covered case.

3-Inch Depth Micrometer Kit. Same as No. 833, but with 4" long base. Range 0"-3". Measures by 1/1000. Furnished in fitted leatherette covered case.

Measuring Rods. Set of 3 finished steel rods ground straight and true. Range from 4" to 6". For use with U833 and U834.



U563-1



U836

Micrometer Standards. Test gauges of finest quality alloy steel. Hardened, lapped parallel.

8-Inch Inside Micrometer Kit. Satin chrome finish. Measures 2"-8". Graduated In .001". Furnished with 4 measuring rods, spacing collars and extension handle in fitted leatherette covered case.

U563-1 U563-2 U563-3	Calibra	ates zero of 1"-2" ates zero of 2"-3" ates zero of 3"-4"	
U836	2"-8"	.001″	
			(

U460

U464

# UNION TOOL precision tools

Dial

Diameter

Reading

Range

0"-6"

0"-6"

0"-6"

.030"

.030"

.0005"

.0005"

Graduations

.001"

.001"

.001"

0-15-0

0-15-0

Cat. No.

U458

U460

U464

U893

U892

1"

1"

CALIPERS

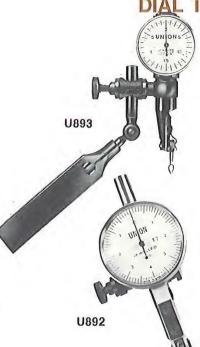


.001". Adjustable dial and tolerance rings. Accurate to plus or minus .001". 0"-6" range. Packed in leather case. 2 5 4 5 6 1 5 9 10 11 9 13 14 15 16 17

> Vernier Calipers. Measuring surfaces are hardened, ground and lapped for long service. Stainless steel construction with chrome finish. Vernier scales of .001" and 1/128". OUTSIDE, INSIDE, and DEPTH measurement read directly on extra long vernier. Spring thumblock. 0"-6" range.

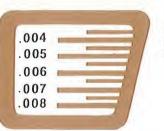
Vernier Calipers With Fine Adjustment. Stainless steel with satin chrome reading surfaces. Double set screw for fine adjustment. INSIDE, OUTSIDE and DEPTH measurement read directly on large vernier in .001" or 1/20 mm. 0"-6" range.

**TEST INDICATORS** 



Dial Test Indicator. A jewelled movement providing durability, smoothness and unmatched "repeatability." Tubular body swivels within body clamp. Unique pear shaped and hardened contact point ratchets a full 180 degrees. Fully reversible. Dial rotates for zero setting. Furnished complete with universal holder, body clamp, and spare point in fitted metal jewel case.

Dial Test Indicator. A rugged indicator for precision layout work, inspection, indicating, etc., at a moderate price. Quality construction assures long life and accuracy. Unique pear shaped contact point is hardened for wear and gives accurate indication in all positions. Contact point' ratchets through 180 degrees. Side mounted level reverses indicator. Dial rotates for any zero setting. Furnished complete with dovetail clamp, universal holder, and spare point in fitted plastic case.



# UNION TOOL precision tools

Magnetic Base Indicator Holder. This
magnetic base indicator holder with rod
connector and two-diameter rod is an
excellent accessory for any of our dial
indicators. Magnetic base grips to flat
and curved surfaces. Steel post is 1/16"
diameter and 3%" long. Overall
height is 6".



Precision made, jewelled indicator for use where extremely accurate determinations are needed. Rear mounted plunger or an end mounted indicator point provide universal application. Graduated in increments of .001" and reads 0-50-0, giving a 0.200" range. Range with the end type indicator point is .125". Zero setting by means of

Universal Dial Test Indicator Set.

a rotating bezel. Set consists of: dial test indicator; two contact points; end indicator point with guide and cap; 8" sectional rod; attaching clamp; universal rod connector; tool post holder. Complete set is furnished in a fitted metal case.



One Inch Dial Indicator Set With Magnetic Base, Very accurate 1" range indicator with large 21/4" diameter dial. Dial is continuous with revolution counter and can be rotated and locked for zero setting. Complete with magnetic base, packaged in fitted steel case.

11/2" dial diam. U891 0-50-0 reading .001" graduation .200" range

Cat. No.

U889

Specifications

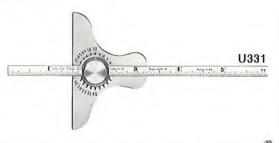
5/16" diam. x 334" long steel post, 6" overall height

21/4" dial diam. .001" graduation 0"-1" range

U890

# union tools precision tools

**GAUGES** 



#### Adjustable Angle Depth Gauge.

Adjustable angle depth gauge with rod. Head marked on both sides of adjusting stud in 15 degree increments. Hardened, bright polished head with precision ground base grooved to hold rod (3/32" diameter). Narrow rule held under adjusting nut by spring tempered washer which is notched to fit increment grooves in head.

-	
U331	Two edges only, 32nds and 64ths 3/32" diam. rod
U330	Two edges only, 32nds and 64ths 6" long x 1/32" wide x .040" thick rule

Specifications

Cat. No.

U85



Depth Gauge. Fixed, 90 degree angle depth gauge with 2½" precision ground work base. Mottled, case hardened finish on head. Supplied with 6 inch long, .040 inch thick, ¾2 inch wide rule. (Union No. U430). Rule is precision ground to fit head. Meets Fed. Spec. Type II, Class 1.



Thread Gauges. Compact gauges for determining inside or outside threads per inch according to V, Unified, American National and U.S. Standard—60 degree threads. With 11½ and 27 pipe thread pitches.

U50 30 pitches from 4 thru 42 22 pitches from 9 thru 40 U52 30 pitches from 6 thru 60

U85

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Tap and Drill Gauge. Useful gauge which provides the correct size tap drill for common machine screw taps in "NF" or "NC". Gives correct body size drill. 60 holes marked with number size and decimal equivalent. Tap size, 2-56 to ¼-28. Tap drill, 50 to 3. Body drill, 44 to ¼. Constructed of heavy gauge steel with satin chrome plate for complete rust protection. Carded.

Tap Size: 2-56 to ¼-28 Tap Drill: 50 to 3 Body Drills: 44 to ¼ Measures 2½" x 6½"

U86

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Fractional Drill Gauge. Provides fractional sizes ½6 to ½" by 64ths. 29 holes with drill size in inches and in decimal. Satin chrome plated heavy gauge steel. Carded.

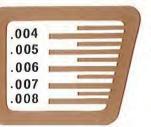
U86 Sizes ½6"-½" by 64ths Measures 2½" x 6½"

**U87** 



Letter Size Drill Gauge. 26 gauging holes for letter sizes A to Z, with decimal equivalents. Satin chrome plated heavy gauge steel. Carded.

U87 Letter sizes A-Z



# UNION TOOL precision tools

.008		Cat. No.	Specifications
	Center Gauge. Made of quality steel, fully hardened with lapped edges and notches according to American National and U.S. 60 degree standards. Useful for setting screw cutting tools, lathe centers, threads per inch, etc.	U441	Graduated 14ths, 20ths, 32nds
U550	Machinists Clamps. Designed for maximum strength, rigidity, and parallel clamping. Deep case hardened steel finish. Screw heads drilled to allow use of pin for tightening. Spring clip holds screw on loose jaw.	U550 U551 U552	1" opening, 2" jaw length 15%" opening, 3" jaw length 2" opening, 4" jaw length
	SCRIBERS		
U320	Scriber. Fine quality steel body with fully hardened point.	U320	6" long
U317	Removable Point Scriber. Knurled aluminum body with chuck that holds fully hardened point. Can be removed and reversed for protection.	U317	5¼″ long
U321	Fixed Point Scriber. Combination scriber with one straight and one bent point. Top quality steel. Fully hardened points. Fixed body.	U321	8½" long
U322	Scriber and Packing Hook. Fully hardened, straight scribing point at one end—hook at other end.	U322	7″ long
U318	Replaceable Points Scriber. Made of fine quality steel with carefully tapered, fully hardened points. Straight point at one end, bent point at other end.	U318	8½″ long

TOOL	CHEST	R.	KITS
IOOL		OL	

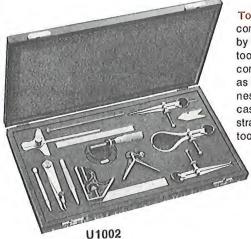


.007 .008

> Toolmakers Chest. First choice of the machinist and tool and die maker. Features seven felt lined drawers plus a lined tool till on top. Smooth sliding drawers have stops to prevent spilling, but can be removed for cleaning. Full length piano hinge cover. Front panel stores beneath drawer. Secure lock and nickel plated catches. Finished in wrinkled dark brown baked enamel.

0.200				
	DIMENSIONS			
	Part	Length	Width	Height
	Chest Closed	201/8"	81/2"	131/2"
	Top Tool Till	20"	81/2"	21/8"
	4 Drawers	81/2"	71/8"	1"
	1 Drawer	81/2"	71/8"	11/8"
	1 Drawer	181/8"	71/8"	11/2"
	1 Drawer	181/8"	71/8"	21/4"

**Specifications** 



Tool Kit. This new kit contains a more complete set of the basic tools required by the apprentice mechanic, machinist or toolmaker. Kit has three more tools than competitive kits offer and at same cost as these lesser equipped sets. All tools nested in a sturdy leatherette covered case for easy access. No cumbersome straps or loops are necessary to secure

Basic Toolmakers Kit. This basic kit is ideally suited for use by toolmakers. Tools are of standard quality and guaranteed accuracy. Supplied in a durable fitted case. Case size closed is 8" x 121/2" x 11/4".

U1002

U1000

U1250

#### Kit contains:

U206-24 Combination Square with Center Head Center Gauge U441 U10-4 Spring Divider Outside Spring Caliper U12-4 Inside Spring Caliper U14-4 Hermaphrodite Caliper U19-4 #5 Grad. Rule U423-6 U32-9 Center Punch U317 Pocket Scriber

Adjustable Angle Depth Gauge U331

Micrometer U811



Kit contains:

U206-24 Combination Square with Center Head Center Gauge U441 Spring Divider U10-4 Outside Spring Callper U12-4 Inside Spring Caliper U14-4 U19-4 Hermaphrodite Caliper U425-6 Rule

U32-9 Center Punch

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AG1 17 D-01 74 1 62 1-01C 74 2 62 2C 62 2-01 69 3 62 3C 62 4 62 5 69 RB6 64 6B021S100 thru 6B654S150 44, 45	50R         18           50R1         18           50R2         18           51         75           52         56           53FH         48           55FH         48           56         59           63FH         48           65FH         48           65         56           66C         74           66-01         74           73FH         48           74         57	170C     68       185     68       185C     68       187C     61       190C     65       199     73       199C     73       203C     67       204C     67       205C     67       206C     67       212-11     76       215C     61       RB216     64       SP220     7	410 14 410C 14 412 10 412R 10 SP415R 21 418 21 SP420R 18 SP420R-1 18 SP420R-2 18 420R 18 SP422R 20 SP422R-1 20 SP422R-1 20 SP422R-2 20 SP424R 20 SP428R 21	556         47           558         47           560         47           561         30           562         47           564         47           565-01         22           566         47           566-01         22           567-01         22           568         47           570         47           572         47           576         47           580         47
6-01 27 6-02 27 7-01 27 7-02 27 7-03 27 8-01 27 8-01 27 8-02 27 RB8 64 8-04 56 9 59 9-01 56 9-03 62 RB-10 64 10 73 10C 73	75FH 48 75-01 59 76 57 78 70 84 55 98 62 106C 74 107C 74 108-10 17 108-22 17 109 56 109-12 17 110-10 17 110-16 17	220-11     8       224-11     76       225     8       SP240     9       249     56       250     9       SP259     16       266C     59       270C     73       275     33       279     56       XP281     23       XP282     23       XP283     23       XRP281     23       XRP281     23	440R     18       445R     18       460     52       460C     52       465C     52       465C     52       SP499K     17       499C     56       502     68       509     47       510     47       511     47       SP512R     11       512     47	588     47       592     47       596     47       RB610     64       611     70       RB612     64       618     64       RB620     64       621     70       624     64       628     64       629C     65       630     64       631C     70       648     65
10-01 61 P11 70 11-01 61 P12 70 R12 55 RB12 64 12-01 61 P13 70 R14 55 14 59 16-11 39 P17 70 P21 70 P22 70 P23 70	110-22     17       111-12     17       112-10     17       112-16     17       112-22     17       114-12     17       114-16     17       114-22     17       115C     58       116-12     17       116-16     17       116-22     17       118     76       118-12     17       118-16     17	290C         65           299         70           300-01         55           R306         23           R308         23           314-12         17           315-12         17           316-12         17           318C         61           320         33           320-12         17           322-12         17           324-12         17           327-12         17           328-12         17	513     47       514     47       515     47       516     47       517     47       518     47       519     47       520     47       521     47       522     47       523     47       524     47       525     47       526     47       527     47	SP666         24           SP668         24           677-04         73           677-06         73           677-08         73           680         36           681         36           683         37           684         37           685         37           689         37           708         76           SP710         32           710-01C         14           710-02C         14
25 62 P27 70 30-01 53 30-01C 53 30-02C 53 30-03C 53 30-03C 53 30-04C 53 30-04C 53 30-05C 53 30-06C 53 30-06C 53 30-07 53	118-22 17 120 69 120-14 17 120-22 17 122-14 17 122-22 17 124-14 17 124-22 17 130-12 75 HX133 23 HX134 23 HX135 23 HX136 23 HX137 23 HX137 23 HX138 23	332-12 17 336-12 17 337C 74 341 55 345C 55 346 75 351-01 68 351-02 68 351-03 68 SP352 10 SP352R 10 SP352R 10 SP354R 11 356 75 SP359KR 11 365 73	528     47       529     47       530     47       532     47       533     47       534     47       536     47       537     47       538     47       540     47       541     47       542     47       544     47       546     47       548     47	710-03C 14 GSP712 32 GSP715 32 722 36 730 67 SP731 33 731 67 732 67 748 65 750-01 71 750-02 71 750-12 17 751-03 71
30-07C 53 30-08 53 30-08C 53 30-09C 53 30-09C 53 35-18 68 39 75 45C 56 45FH 48 46C 61 48 55 49 56	147C     52       149     56       160C     62       XP161     23       XP162     23       XP163     23       XPZ161     23       XPZ162     23       XPZ163     23       XPZ163     23       XRP161     23       165     39       170     68	365C 73 SP379 16 379C 75 401 69 401-01 69 401-02 69 401-03 69 401-05 69 401-06 69 401-07 69 401-08 69	SP550       28         SP550K       28         550       47         550-01C       72         550-02C       72         551-03C       72         551-04C       72         551-06C       72         552       47         553-04C       72         554       47         555C       72	751-04 71 751-06 71 751-12 17 752-12 17 753-03 71 753-04 71 753-06 71 754 71 754-12 17 755-15 17 756-8 17

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800-17C     13       800-18C     13       801     52       801C     52       802     52       803C     52       803C     52       804C     52       805     52       805C     52       805     52       805C     52       805     52       805     52       805     52       824     64       SP826     26       SP827     26	1124     58       1166     70       1167     70       1168-01     70       1200     65       1201     70       1202     70       1203     70       1214BF     48       1214M     48       1216-01     53       1216-02     53       1216-03     53       1216-05     53       1216-07     53	1430-06 53 1430-06C 53 1430-07 53 1430-07 53 1430-08C 53 1430-08C 53 1434C 53 C1443 29 M1444 29 M1444 29 M1446 29 1451 61 M1456 29 1460C 62 1461C 62	2195C 13 2196C 13 2197C 13 2208 54 2210 54 2410 68 2410JE 42 2410M 42 2414JE 42 2414M 42 M2424 29 M2443 29 M2444 29 M2446 29	3564C 37 3588C 38 3590C 38 3591C 38 3606C 38 3612JE 42 3617C 38 3625C 38 3632C 38 3638C 38 3644C 38 3648C 38 3655C 38 3658C 38 3658C 38
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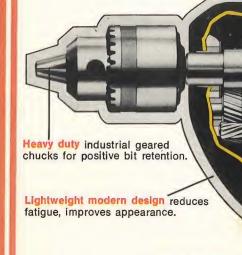
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# Millers Falls ... the safest name in tools

Protection from electric shock is only one feature of Millers Falls electric tools. No other manufacturer offers such a wide selection of completely redesigned, re-tooled portable electric tools. Check this list of years-ahead features, found in most Millers Falls Double Insulated Tools.

Millers Falls "Shoc Gard", exclusive space-age insulating material, isolates armature from drive shaft.

Two layers of insulation protect you against electric shock, even if normal insulation should fall. No costly, bothersome grounding required.



New, advanced, high-velocity cooling system for cooler operation, longer motor life.

Heavy duty double pole switches with exclusive comfort-contoured trigger for effortless control.

Approved for use without grounding by UL and the National Electrical Code. No more hunting for the hard-to-find adapters. No 'need for heavy, costly 3-wire extension cords.

LIVE PARTS WITH NORMAL (FUNCTIONAL) INSULATION

SECOND LAYER OF PROTECTIVE INSULATION

High temperature insulated magnet wire protects against burnout under overload and abusive treatment.

# Air-cooled rear bearing mounting. Bearing runs

Bearing runs cooler and lasts longer.

Man-sized unbreakable handles stand abuse better than ordinary handles, remain comfortable in all temperatures.

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All Millers Falls Tools are submitted for approval to Underwriters Laboratories and show the UL Listing on the nameplate.



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